

FIG. 1

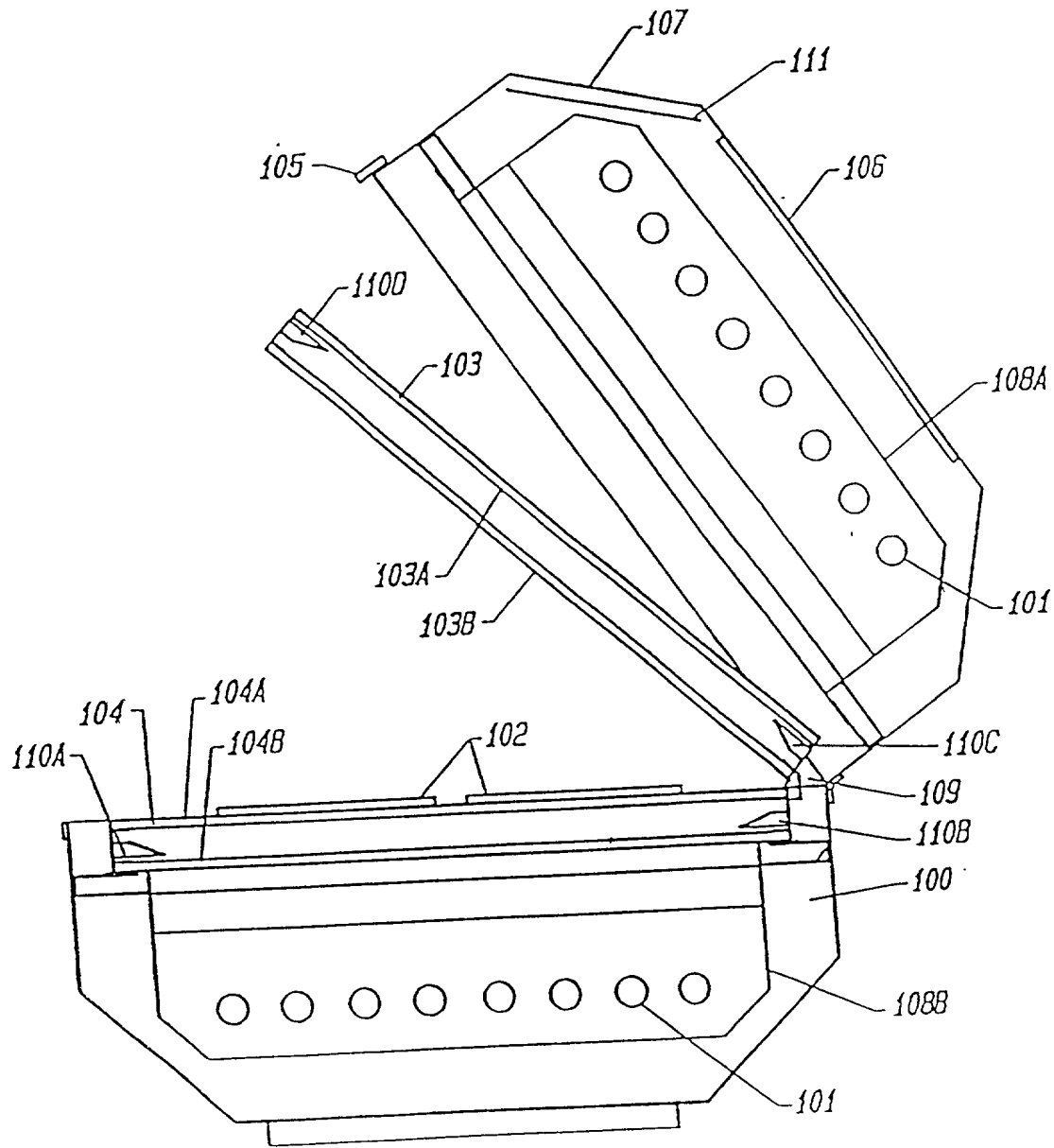


FIG. 2

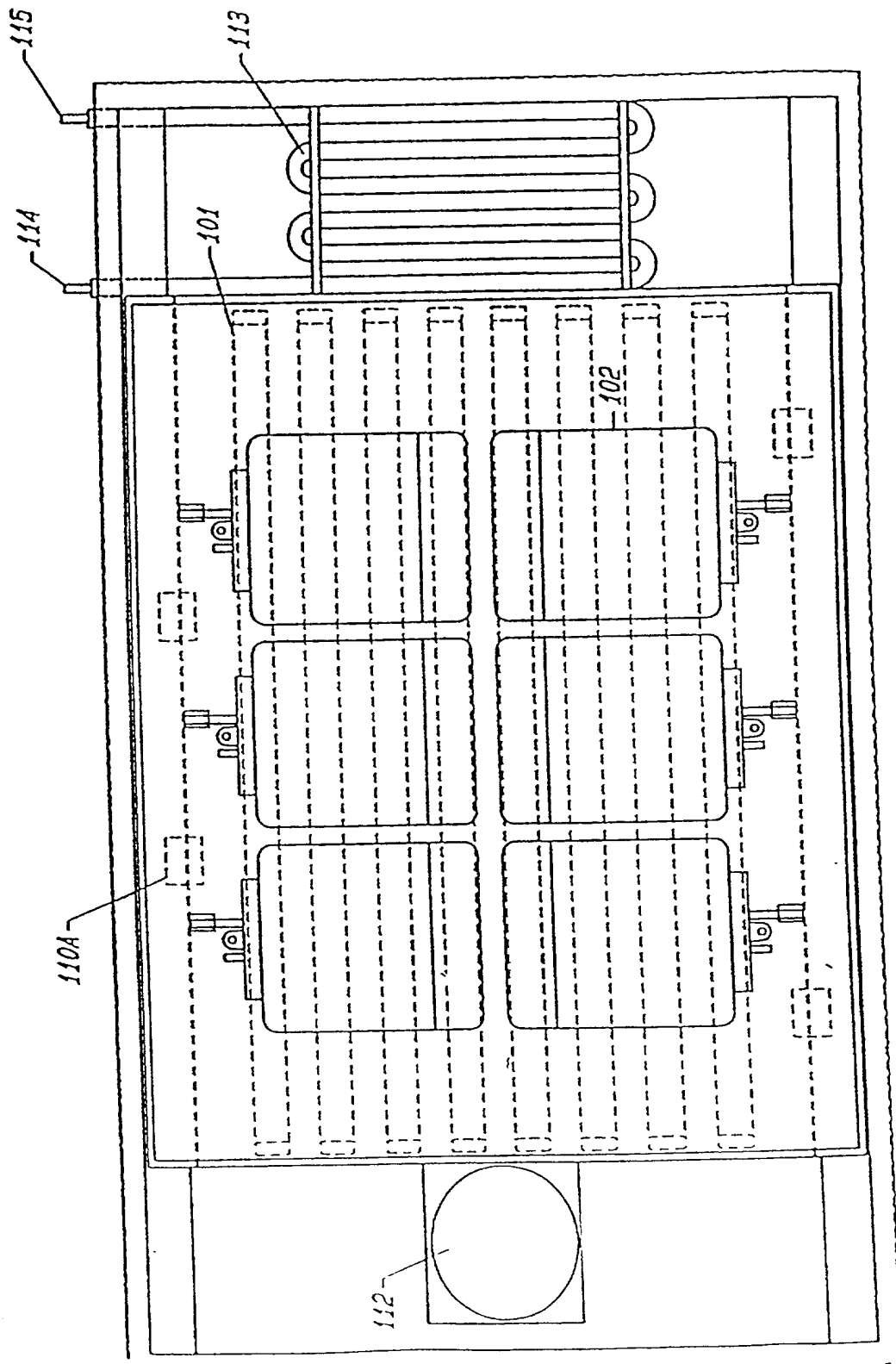


FIG. 3

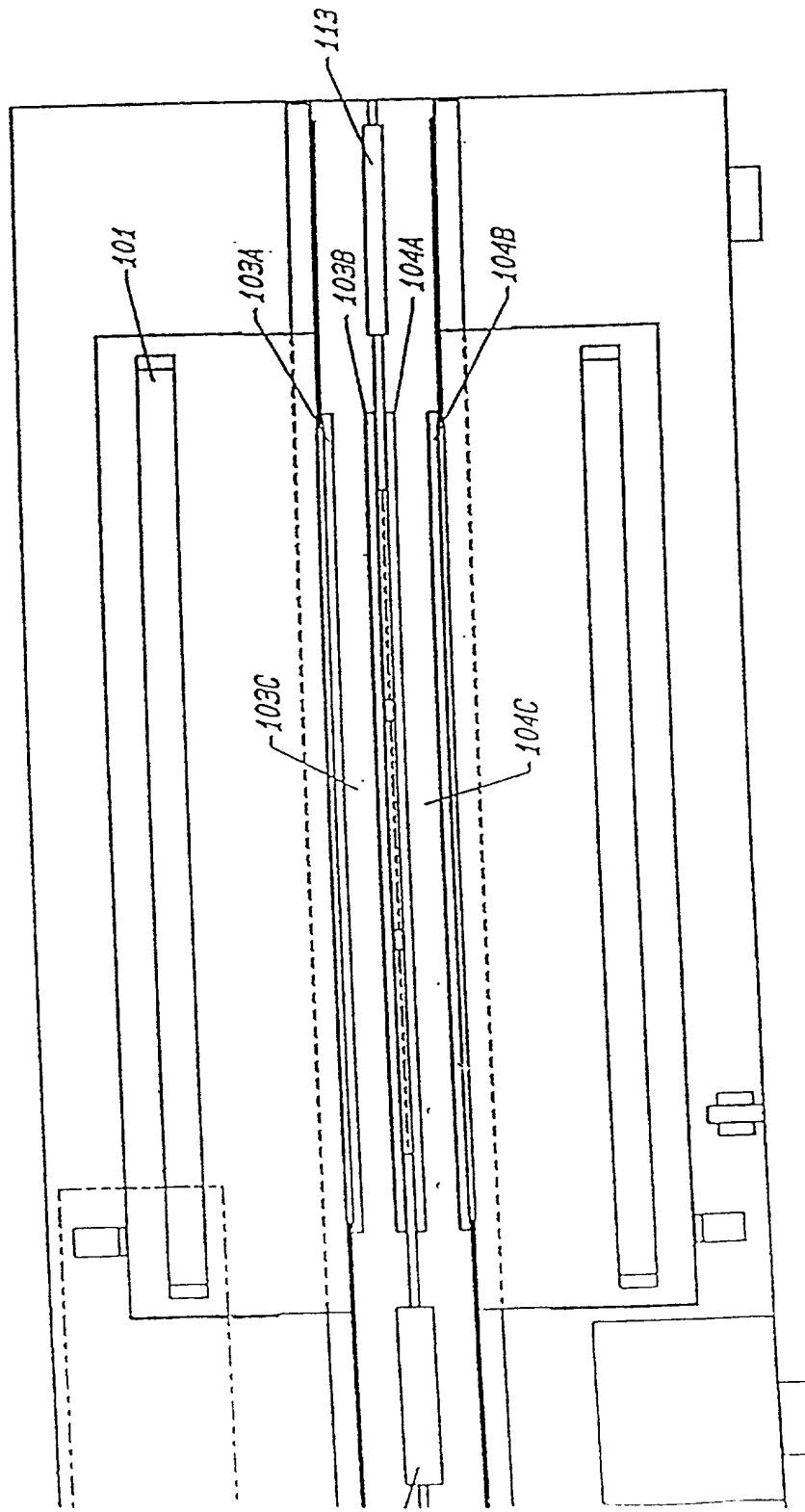


FIG. 4

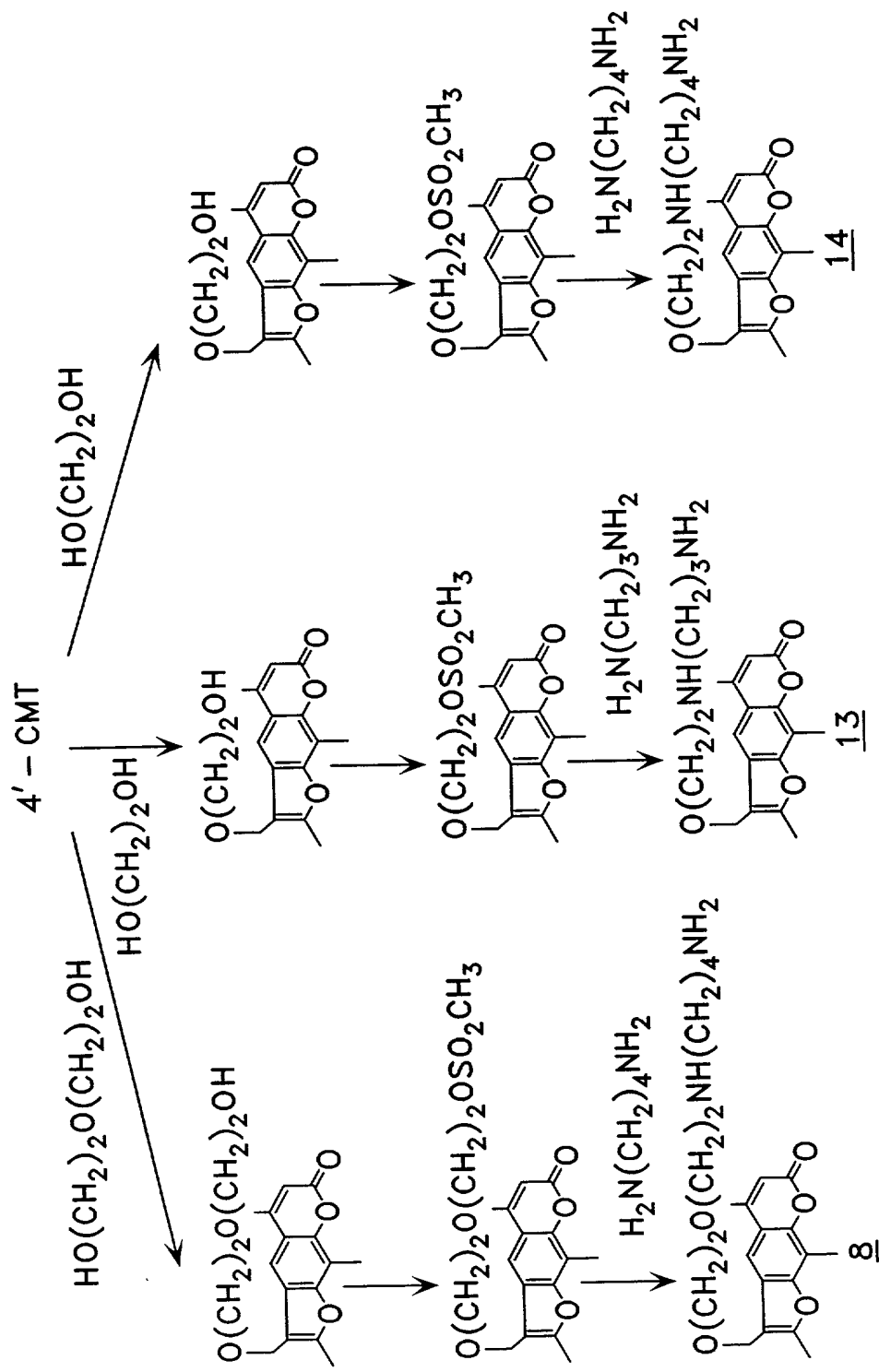


FIG. 5A



1

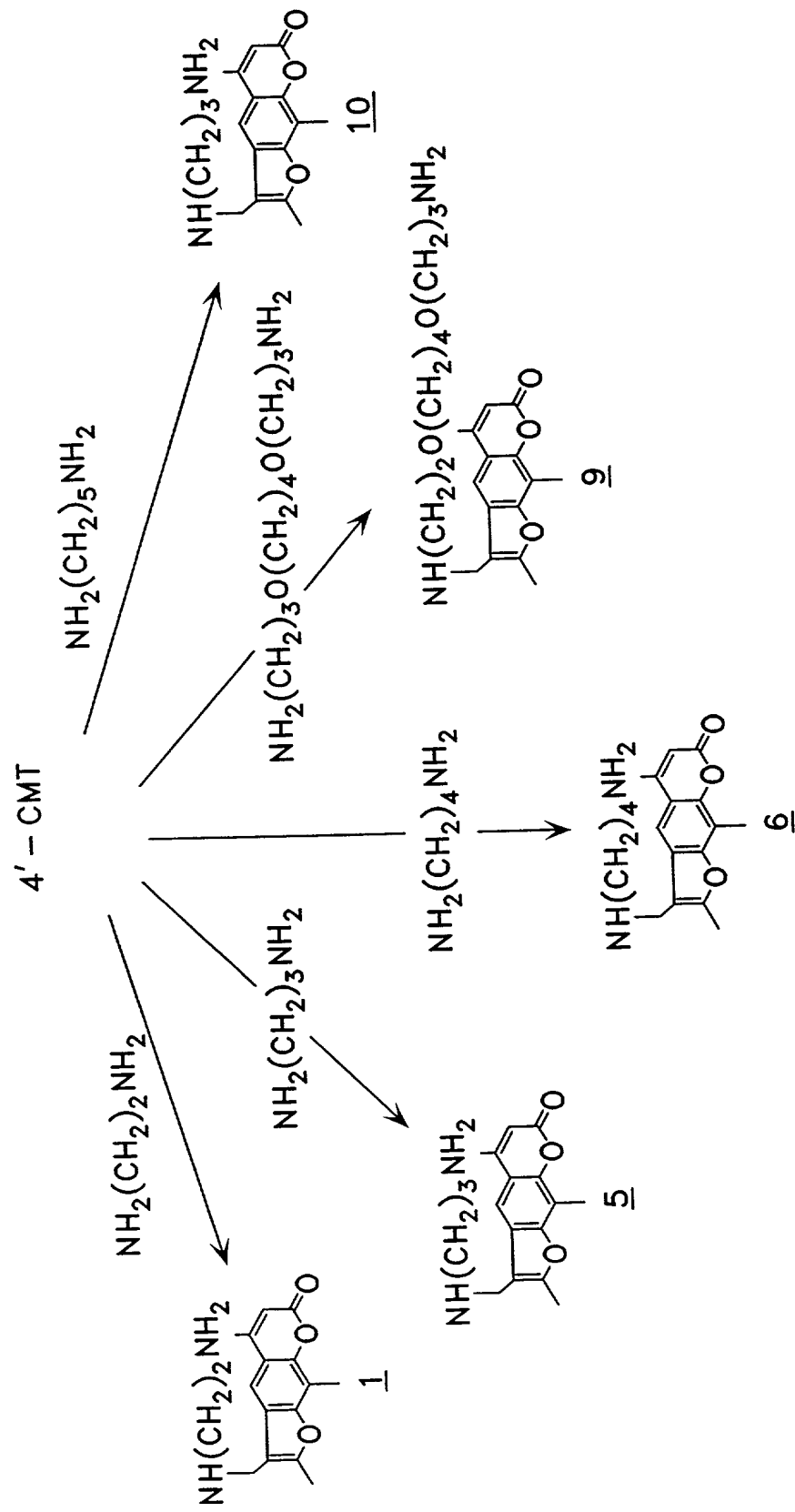


FIG. 5C

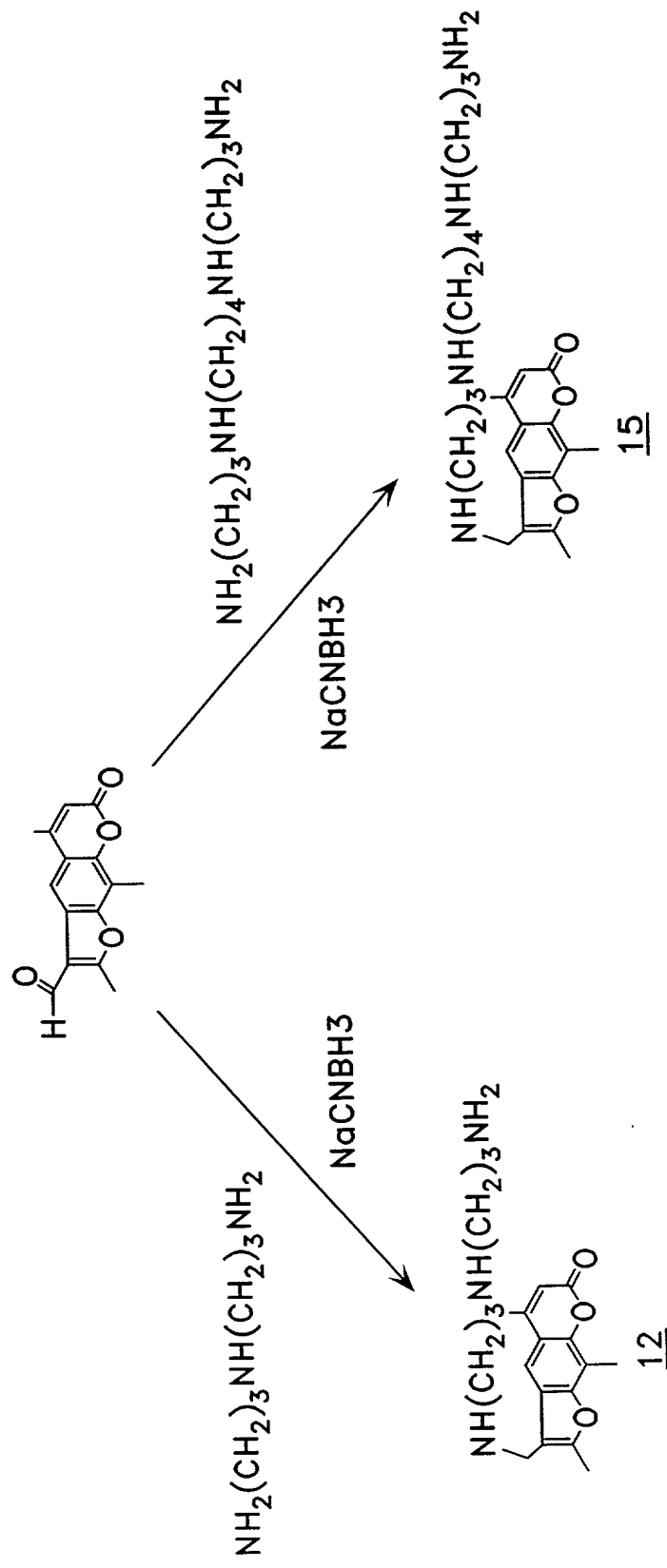


FIG. 5D



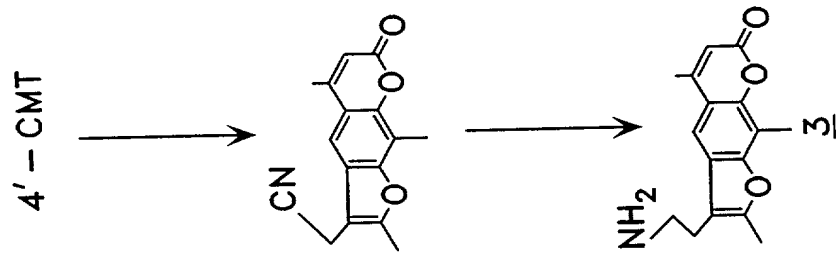


FIG. 5E

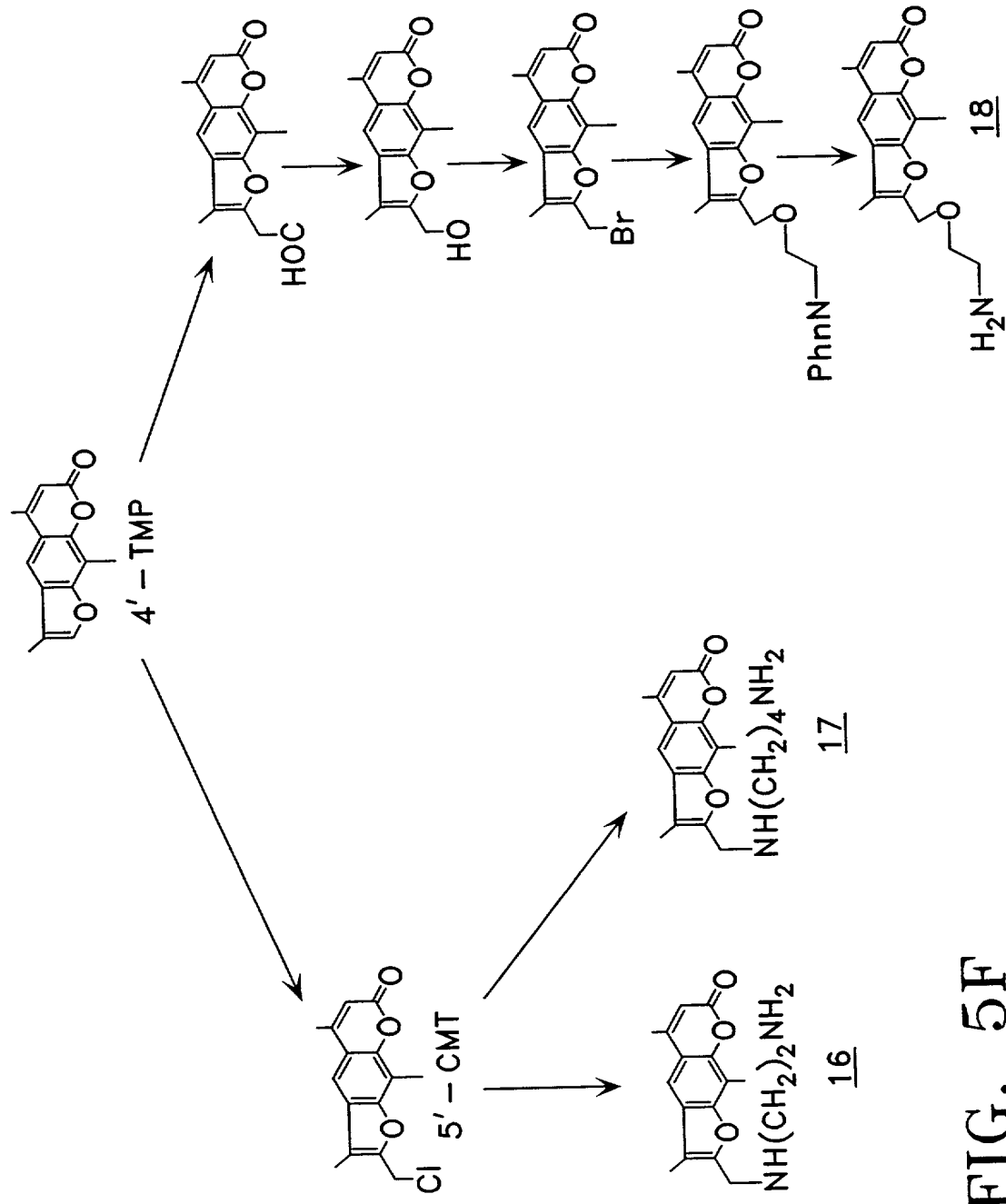


FIG. 5F

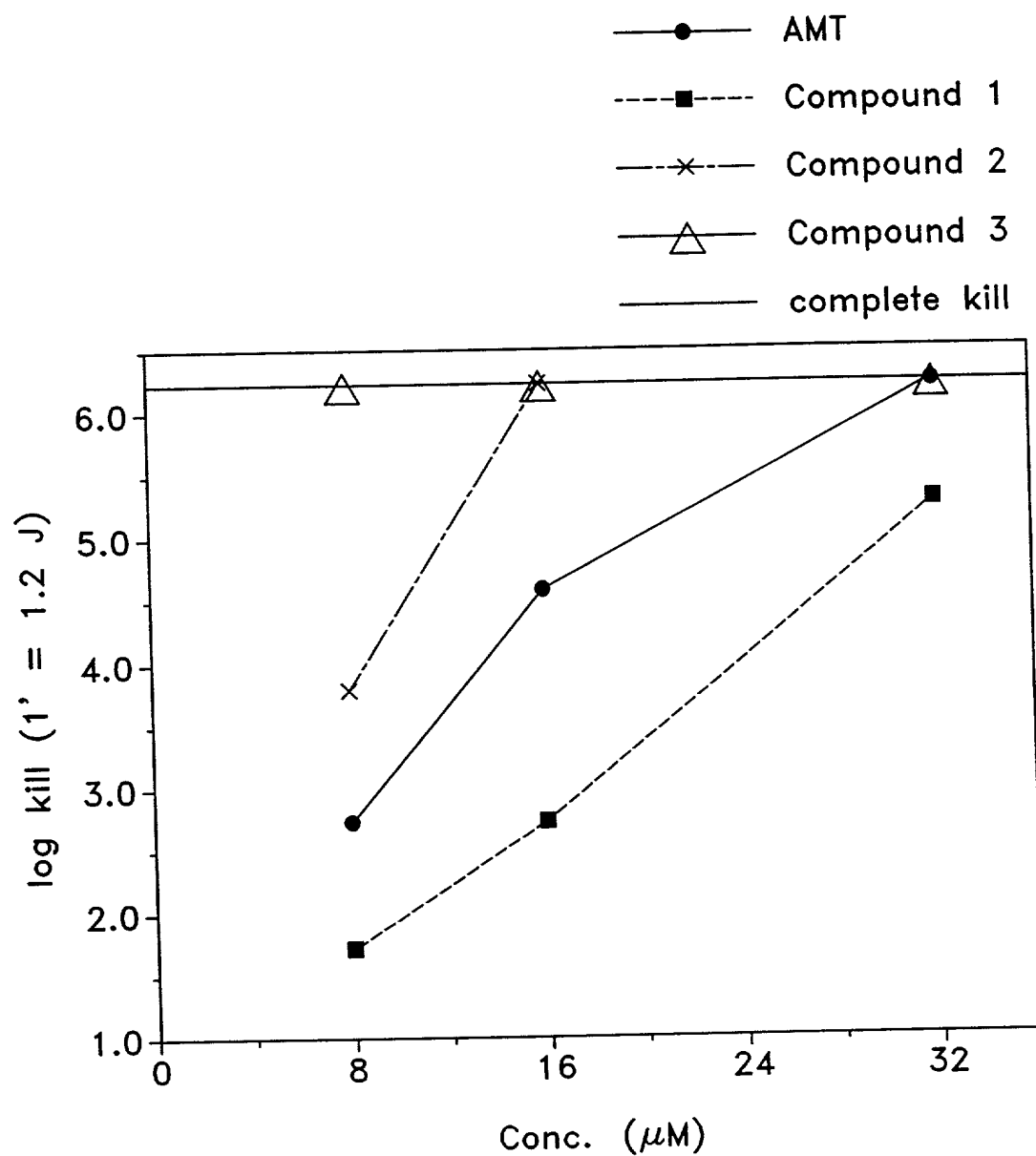


FIG. 6

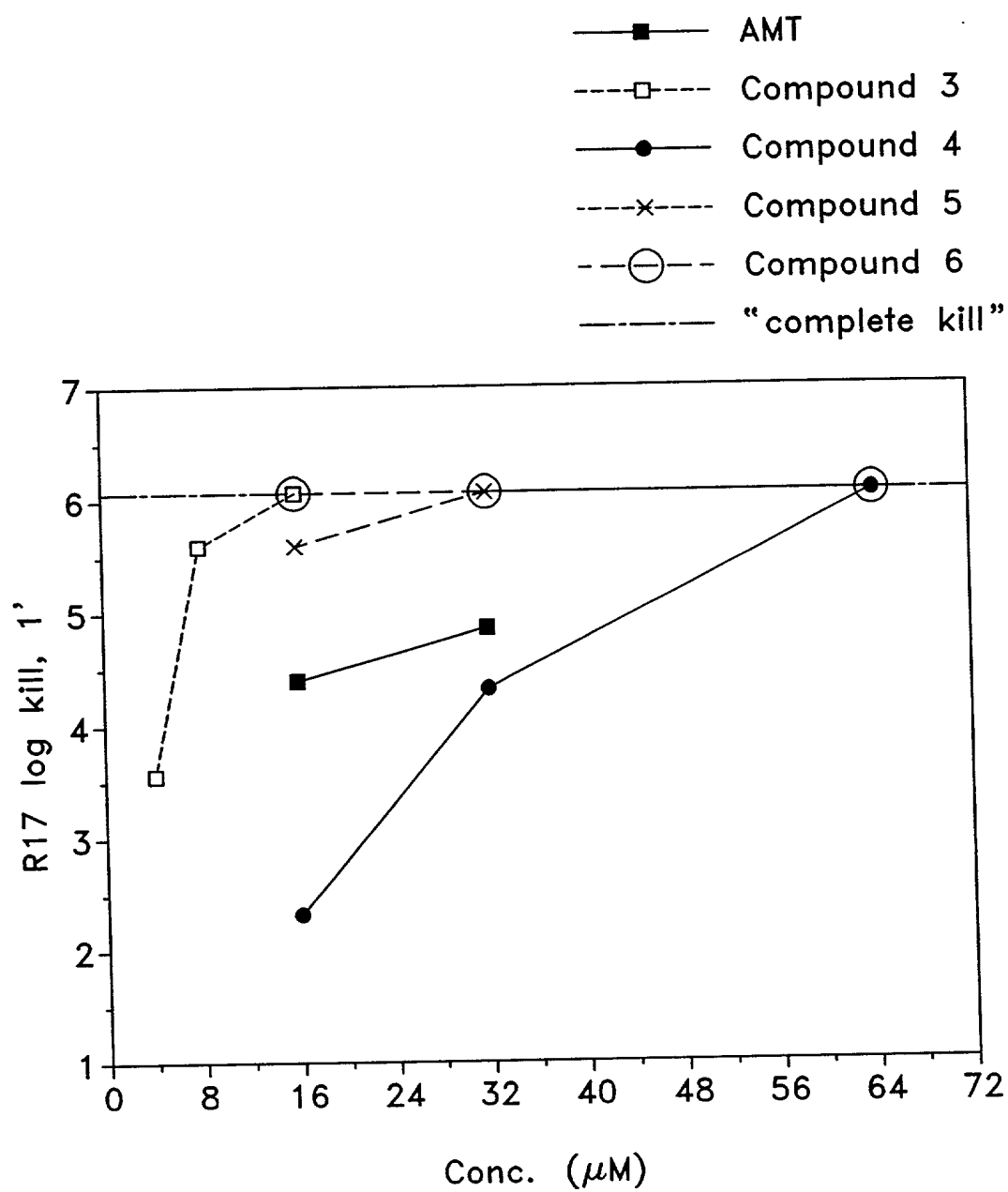


FIG. 7

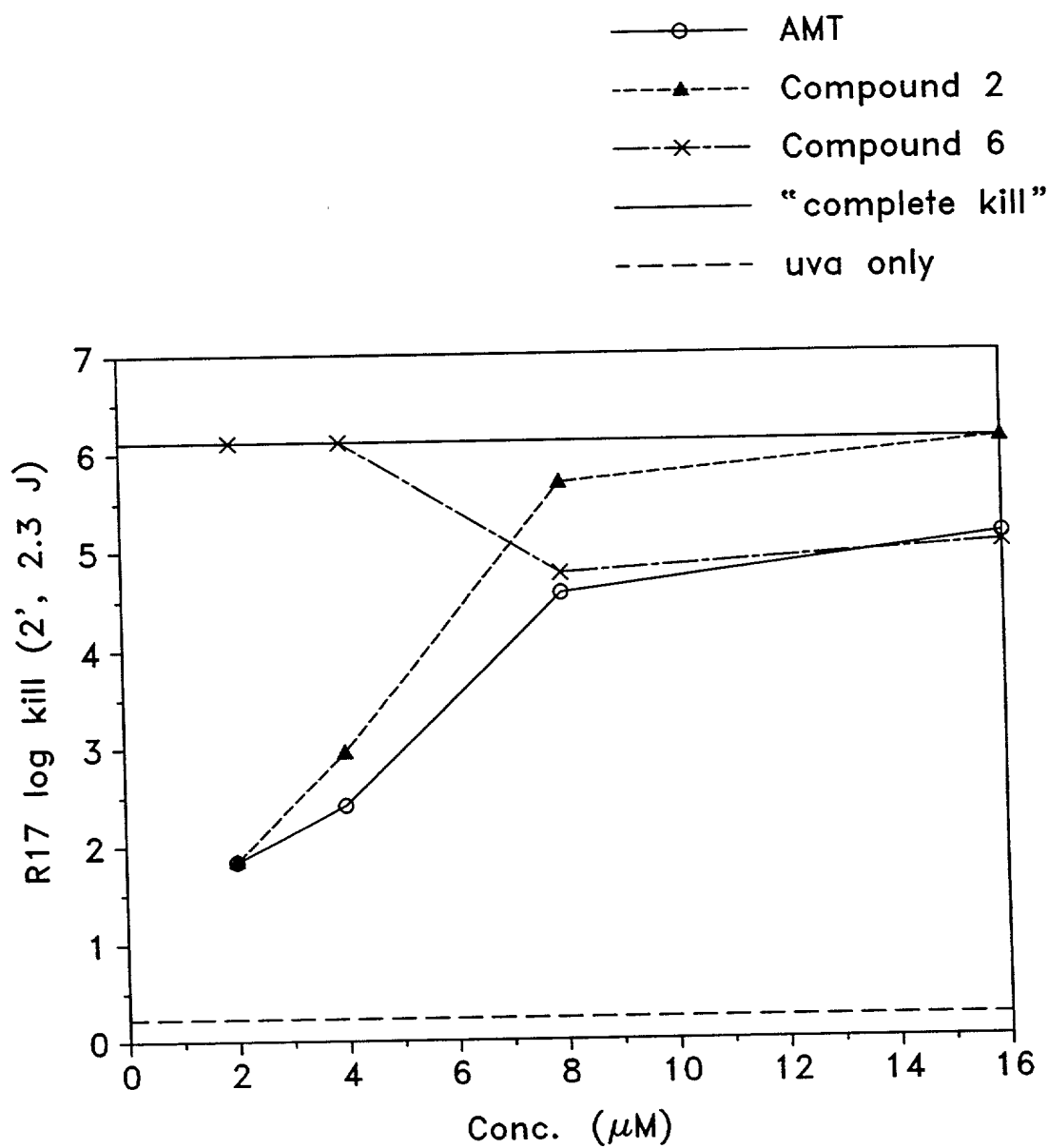


FIG. 8

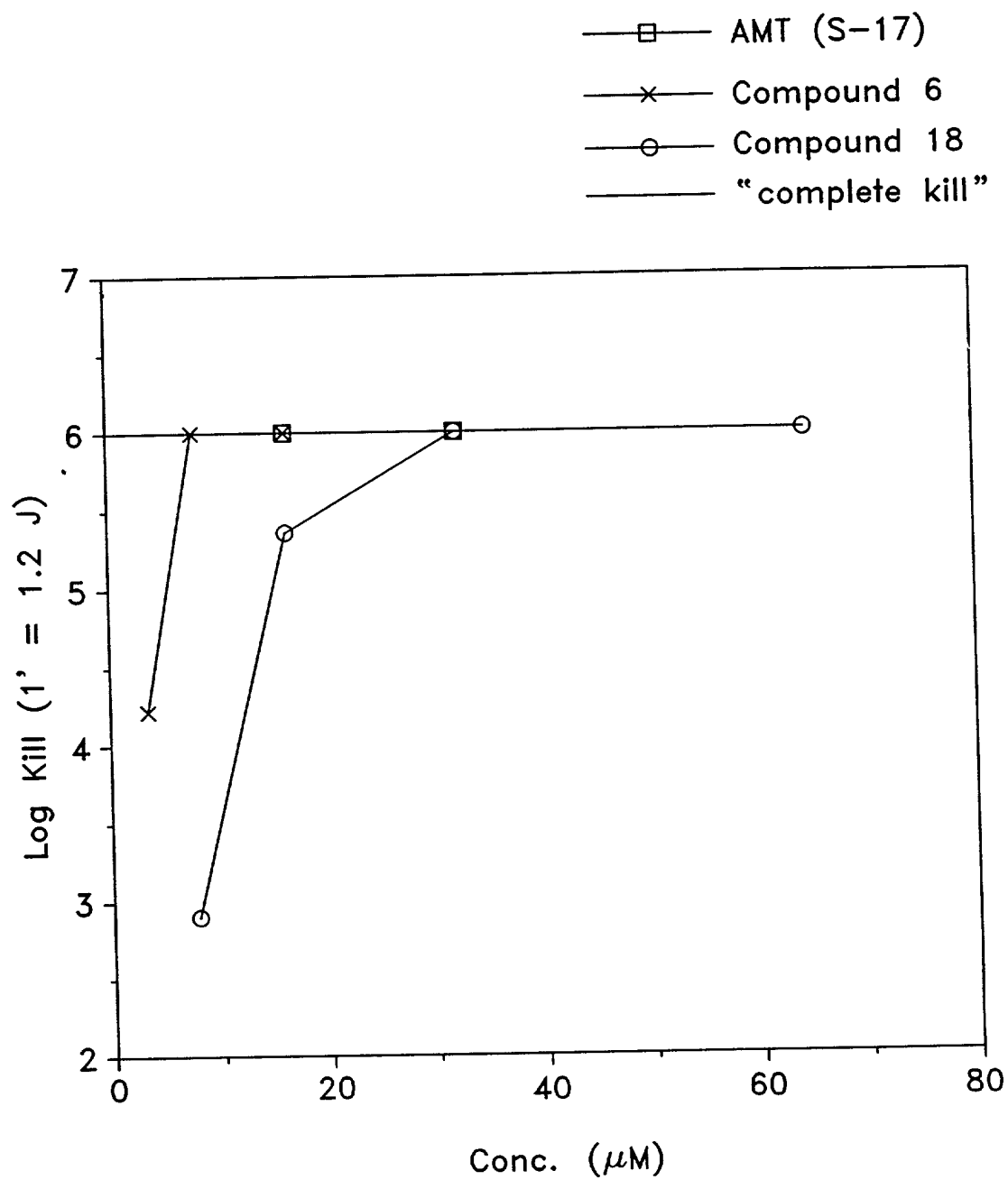


FIG. 9

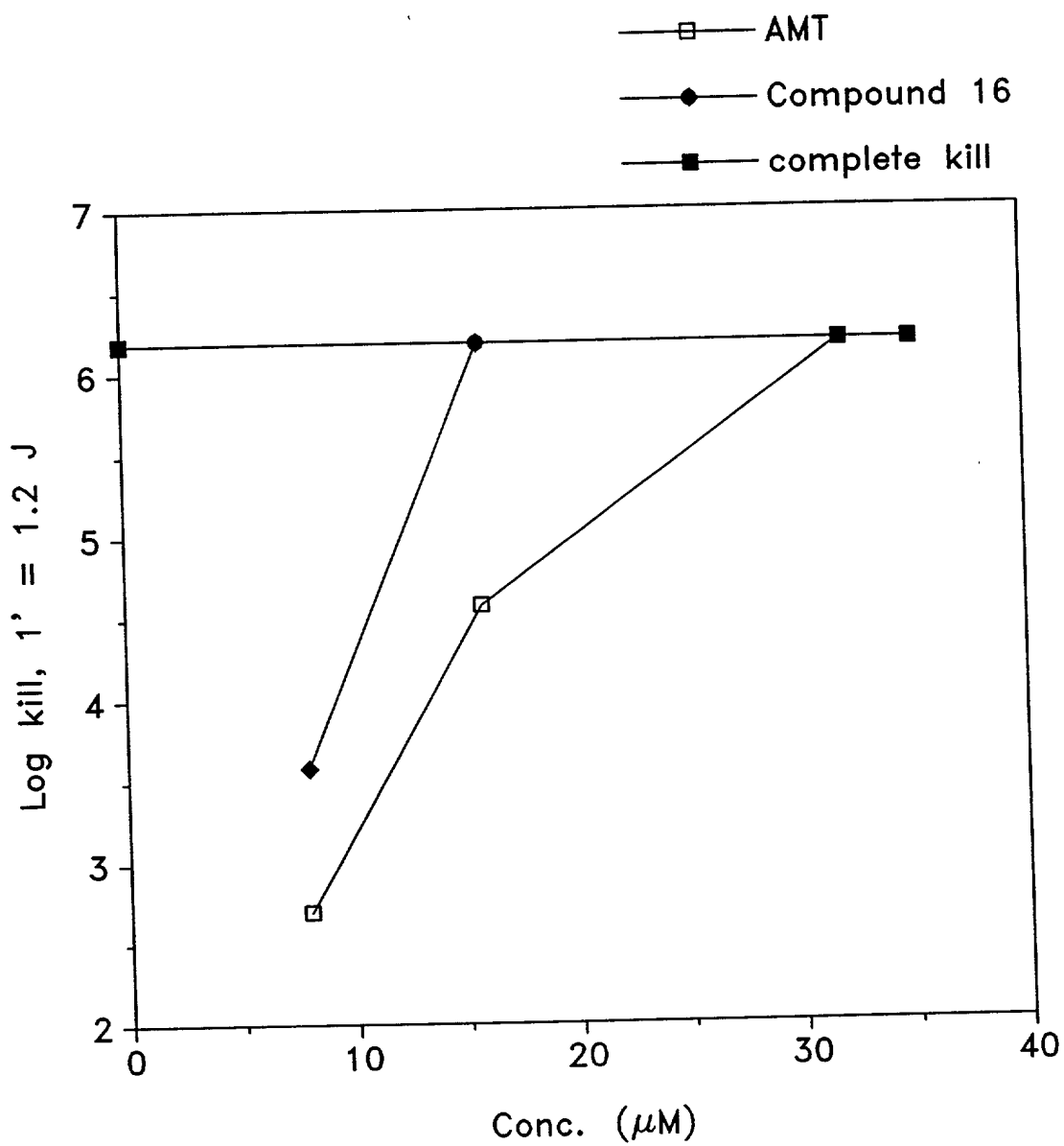


FIG. 10

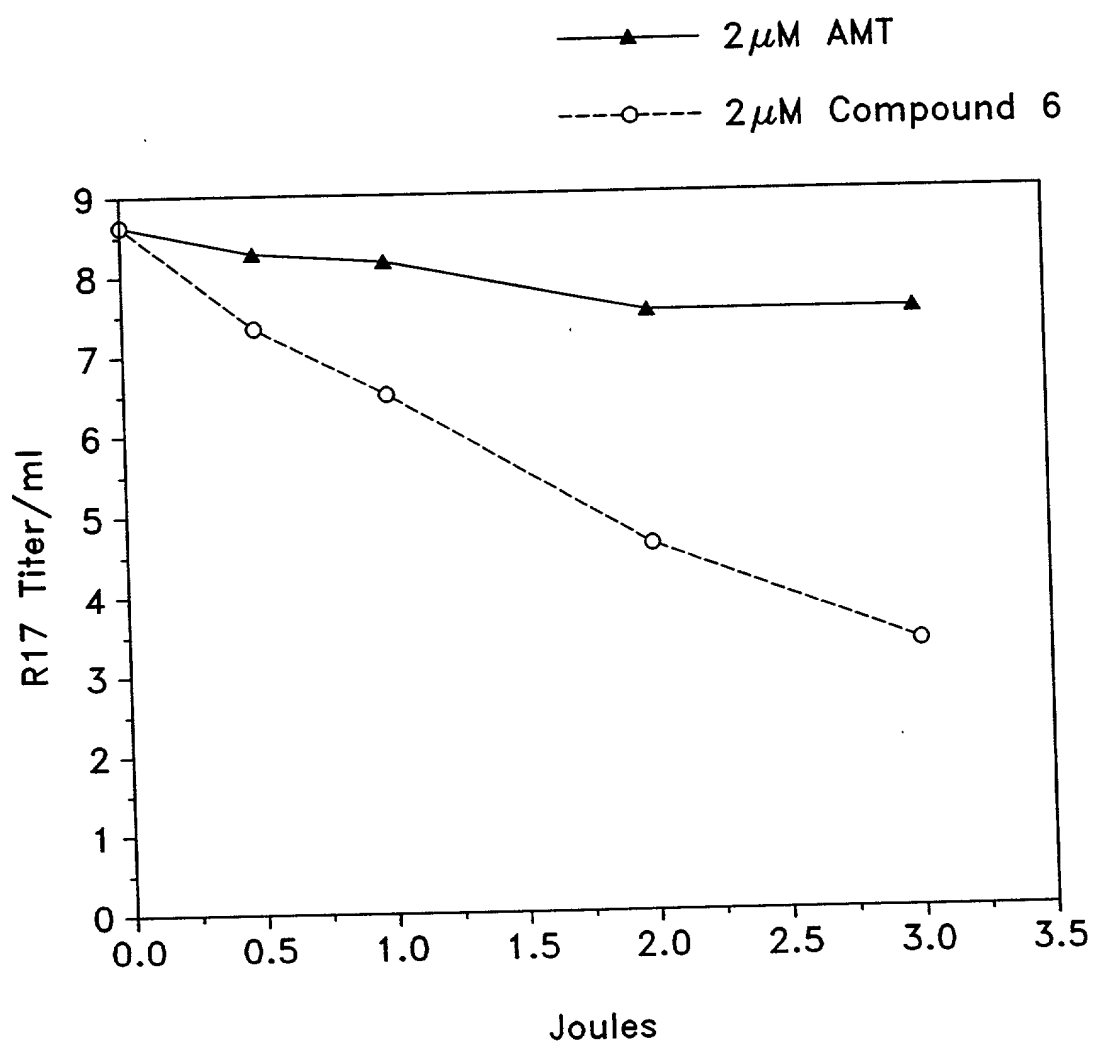


FIG. 11



- 4  $\mu$ M AMT  
- - $\Delta$ - - 4  $\mu$ M Compound 7  
- -x- - 4  $\mu$ M Compound 9  
- -■- - 4  $\mu$ M Compound 10  
- - - - - limit of detection

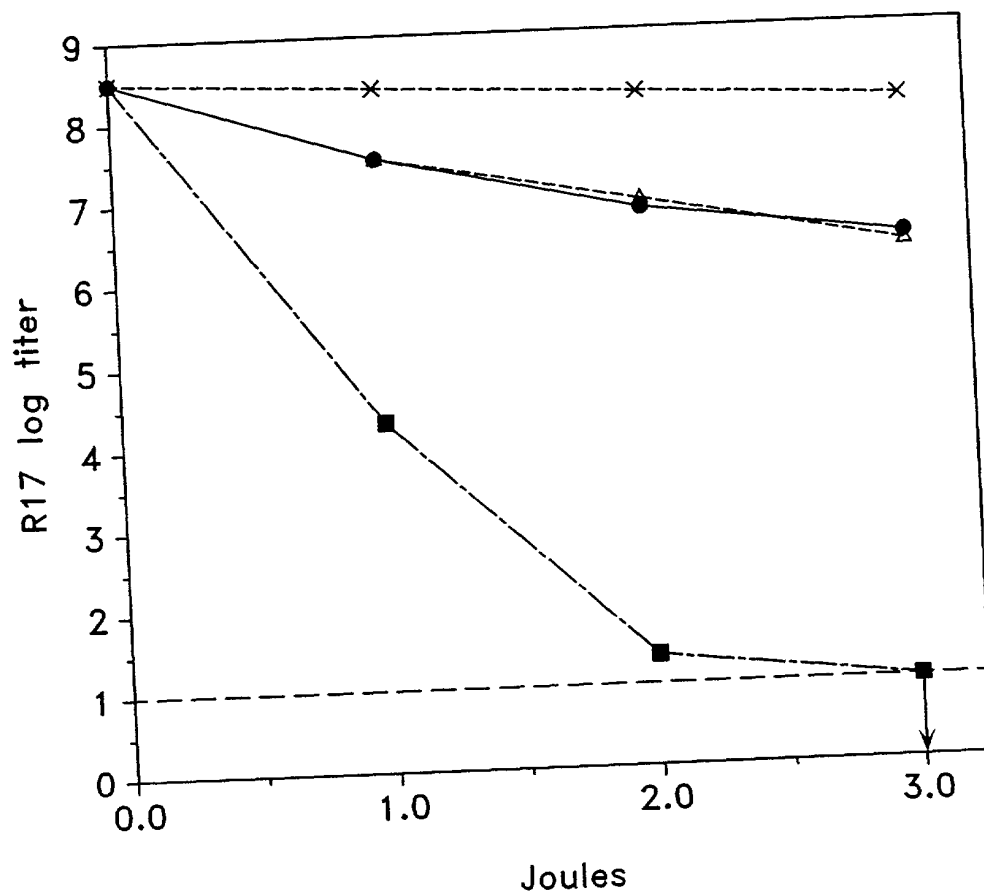


FIG. 12

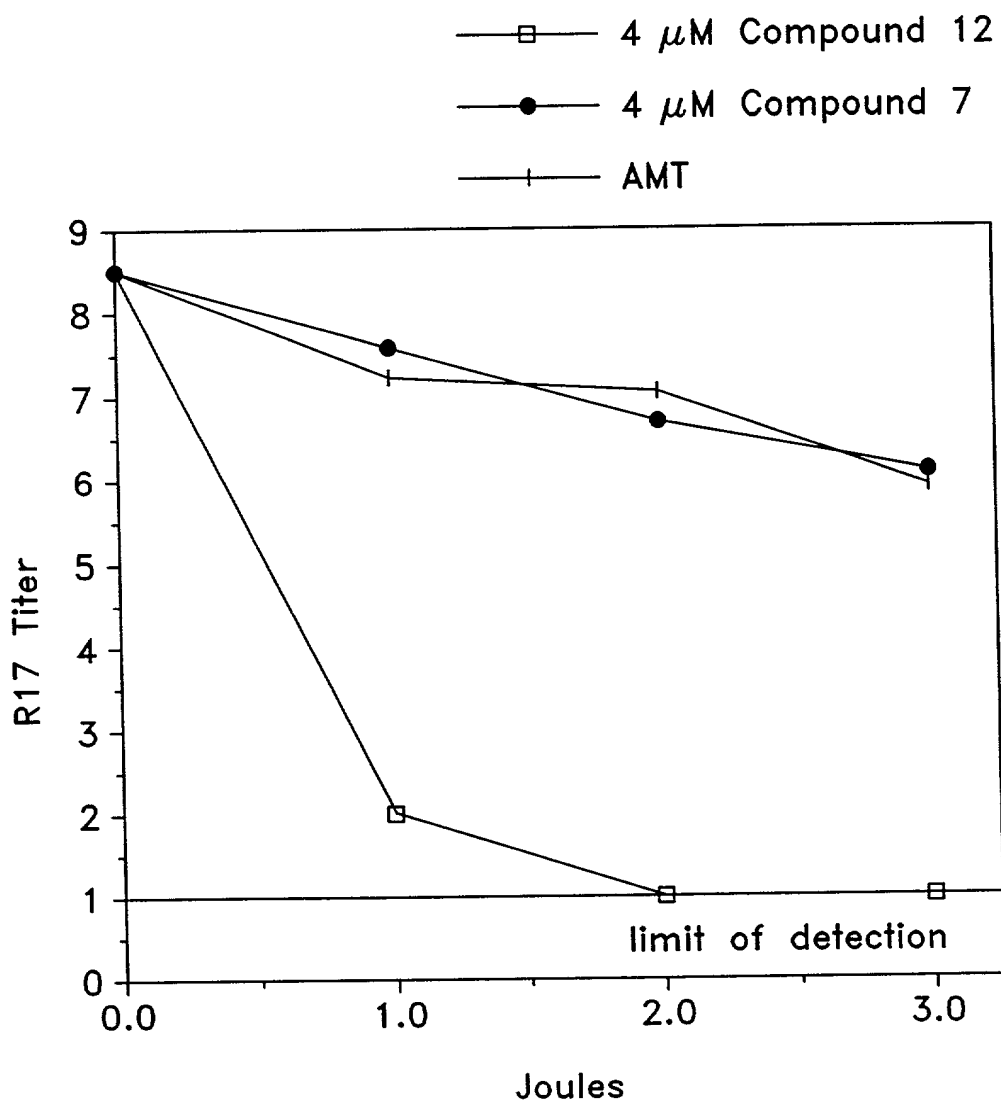


FIG. 13

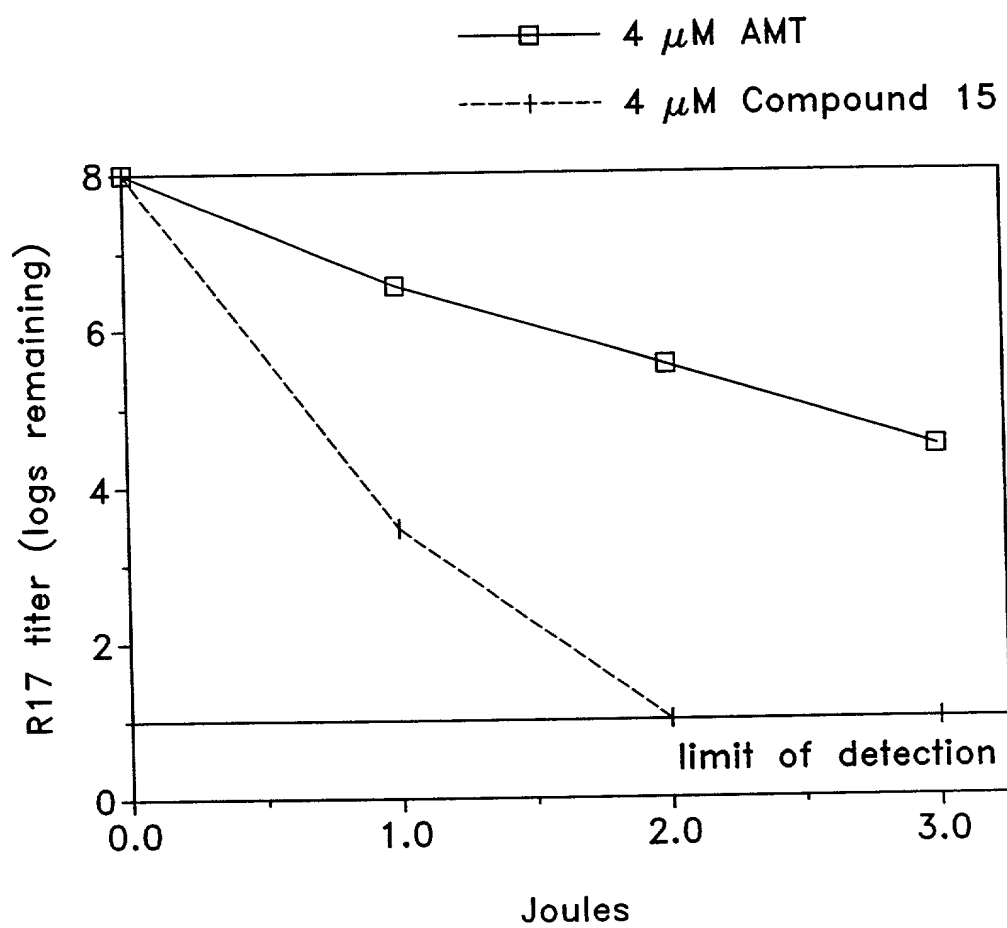


FIG. 14

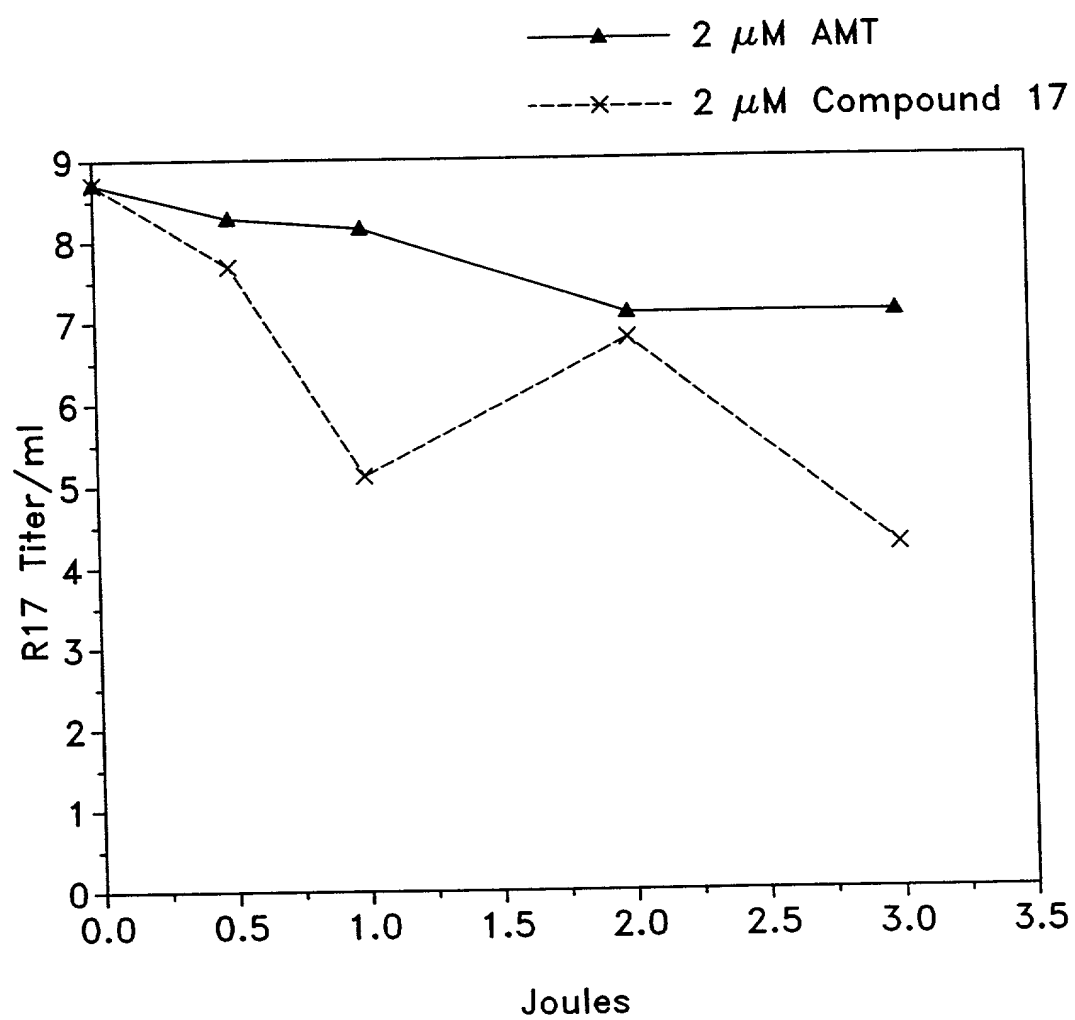


FIG. 15

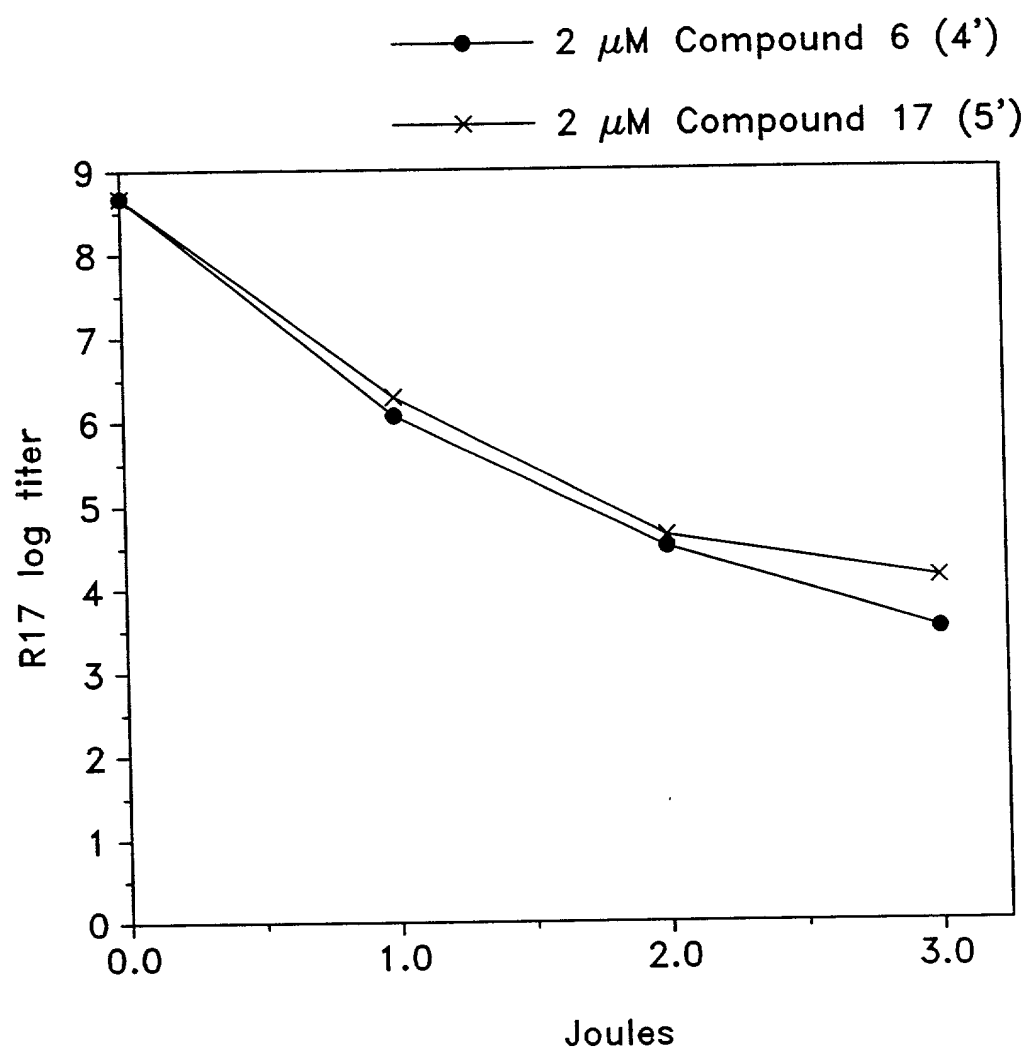


FIG. 16



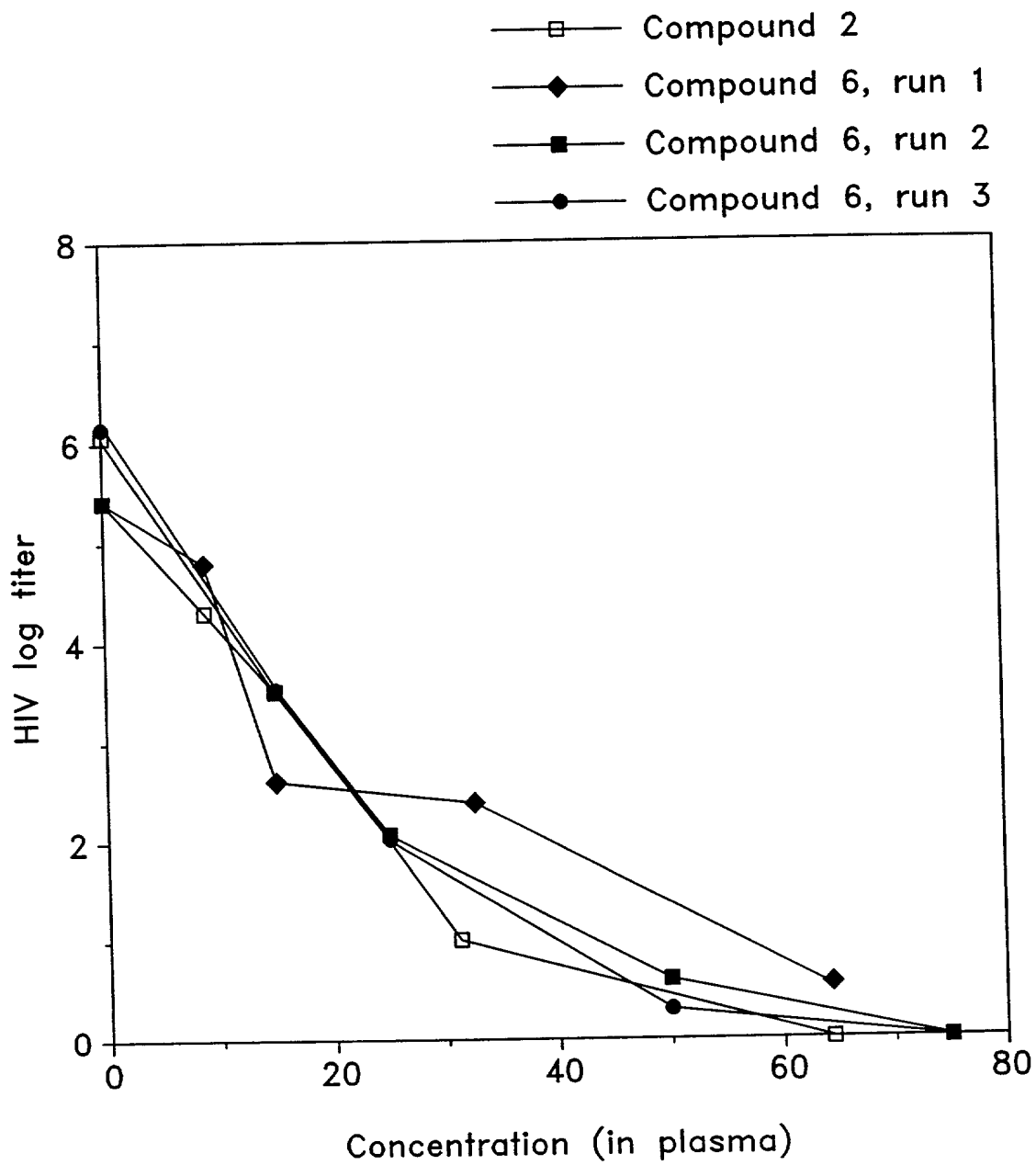


FIG. 18

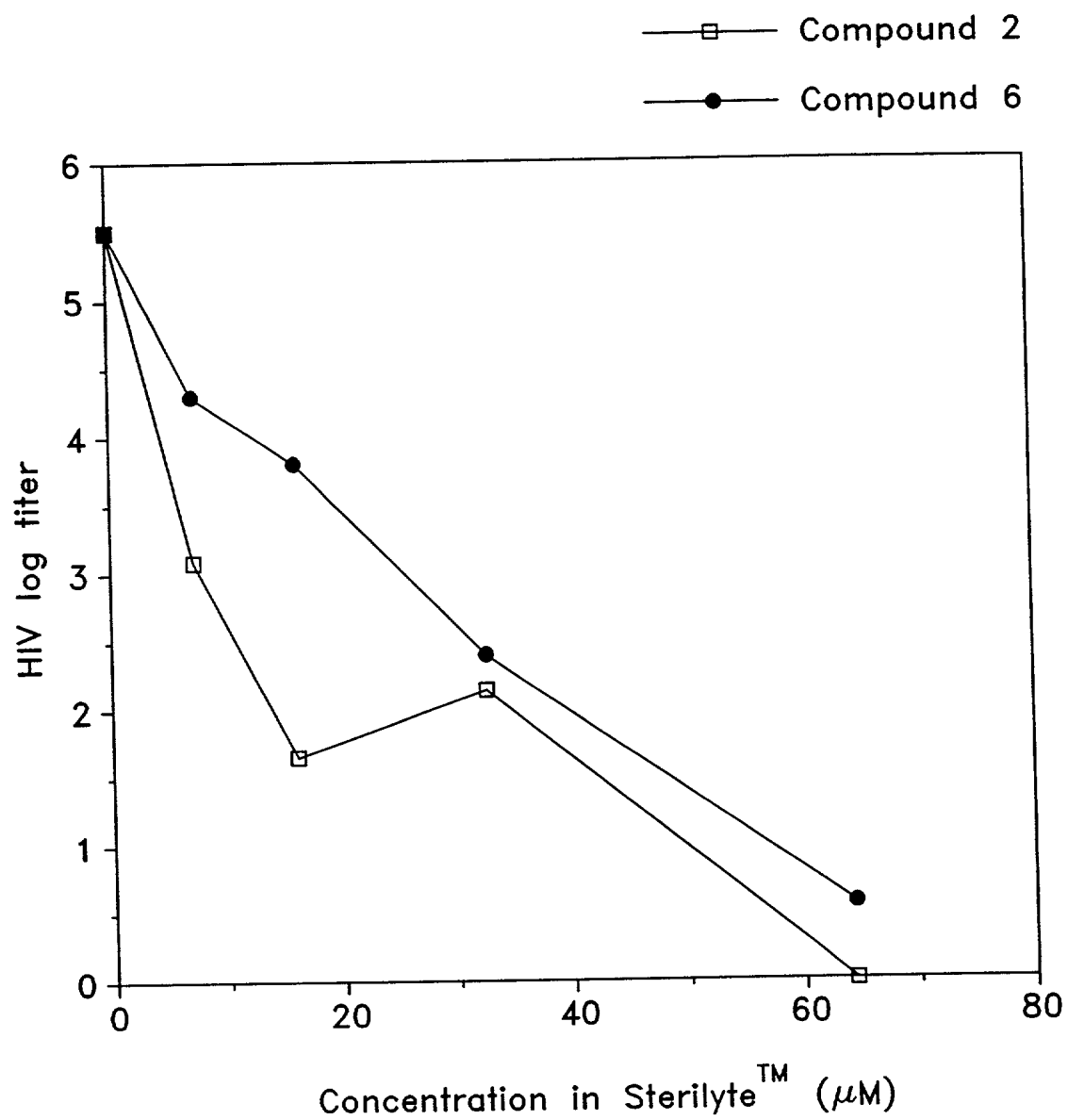


FIG. 19



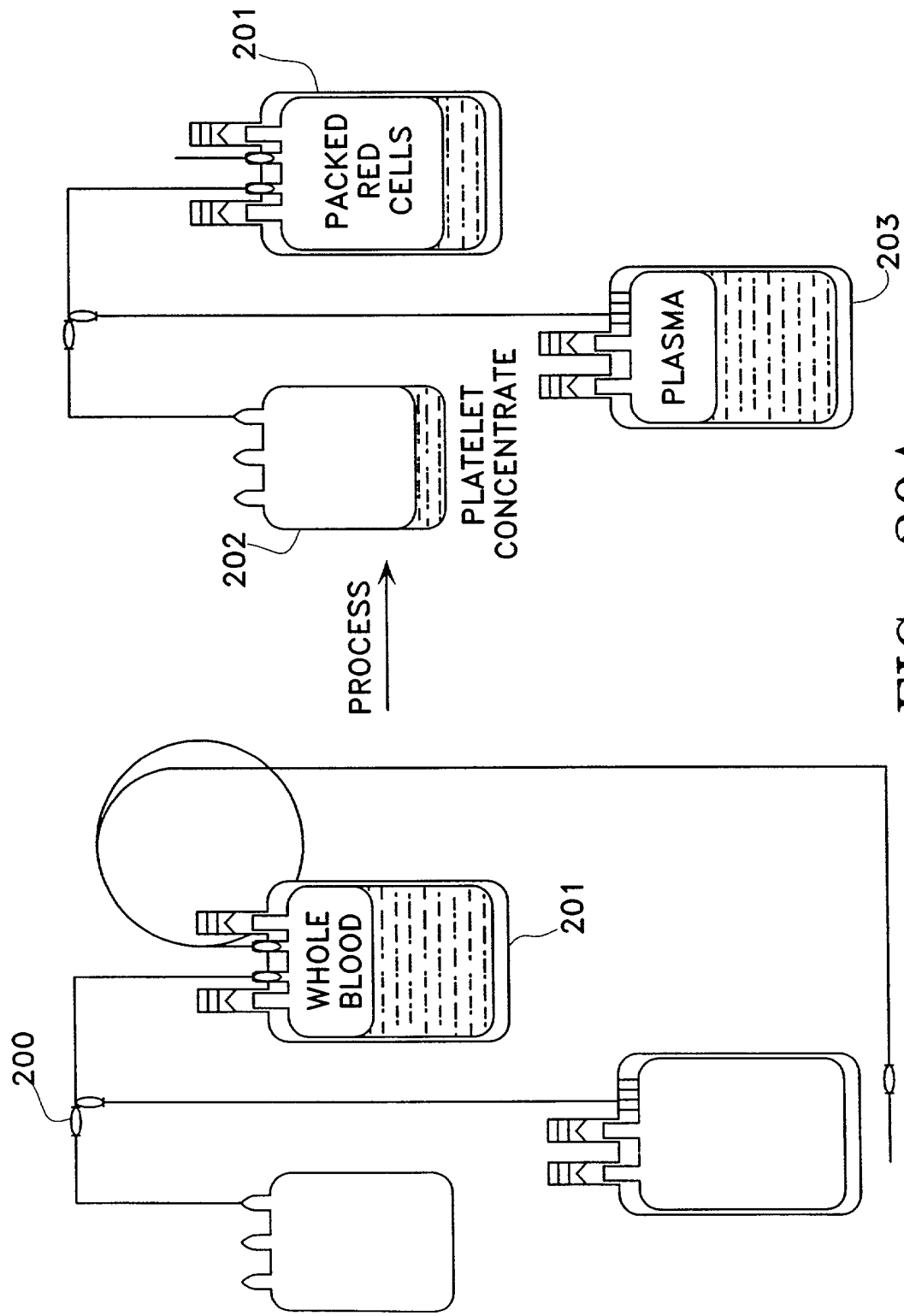


FIG. 20A

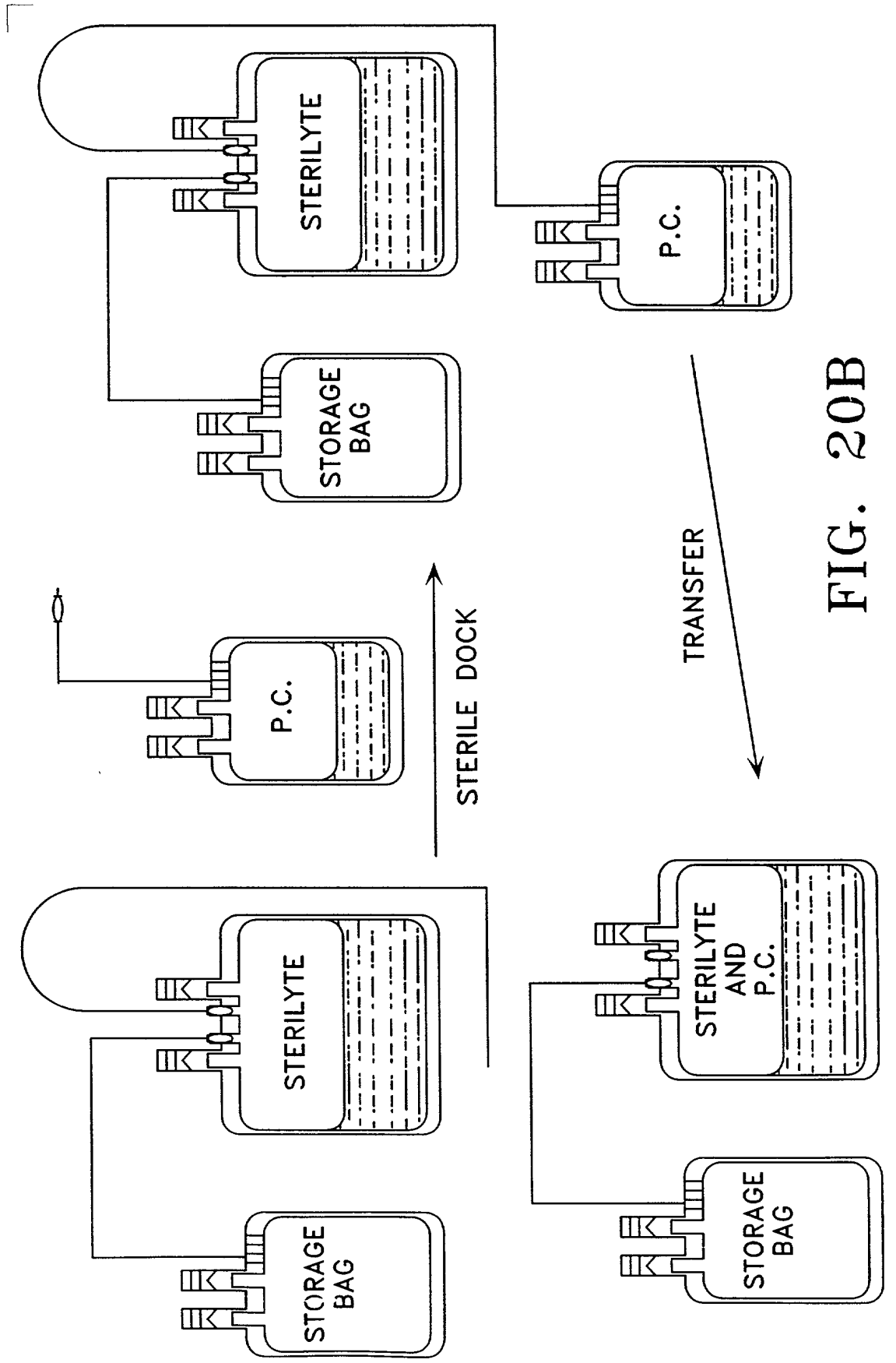


FIG. 20B

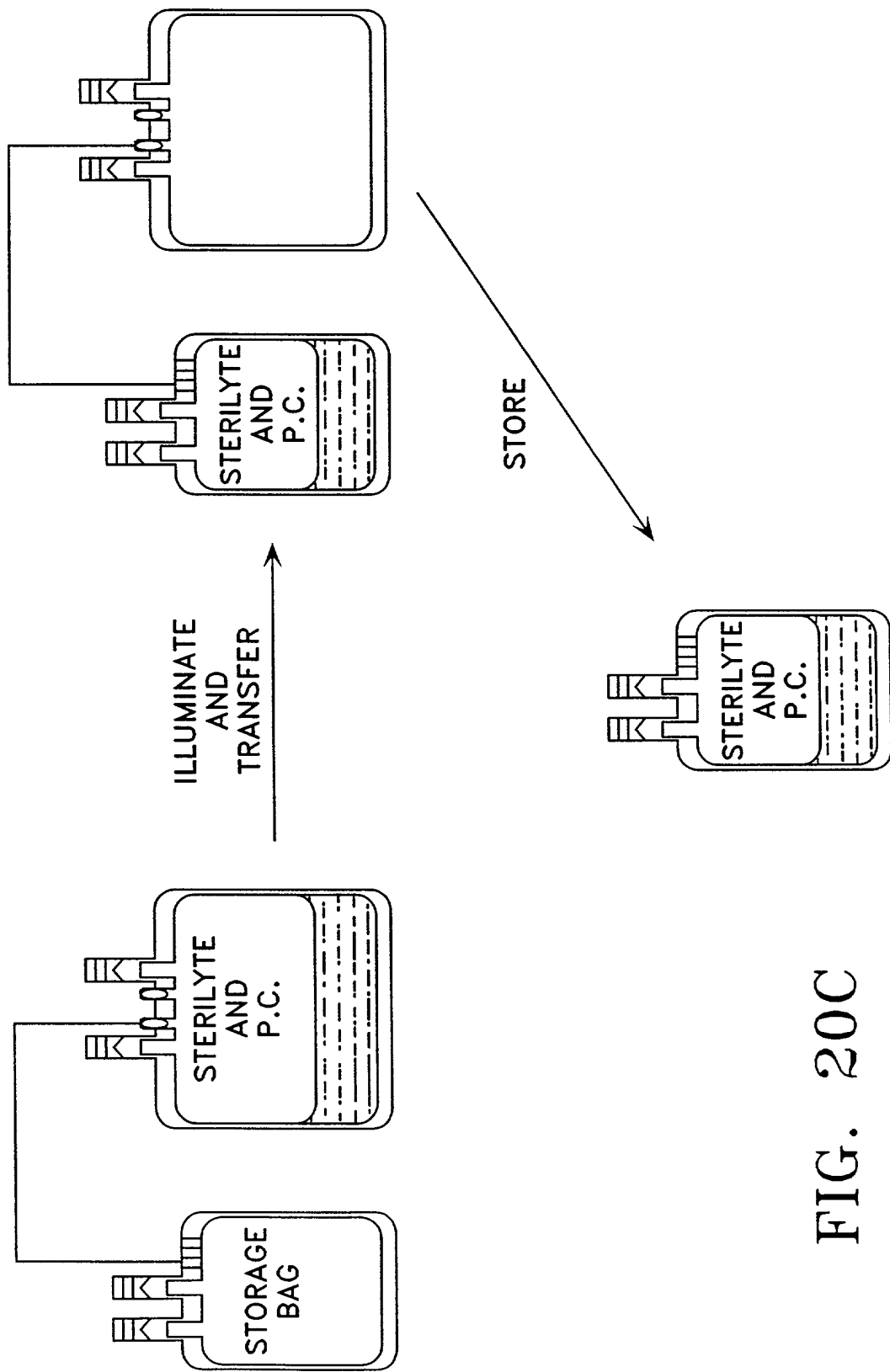


FIG. 20C

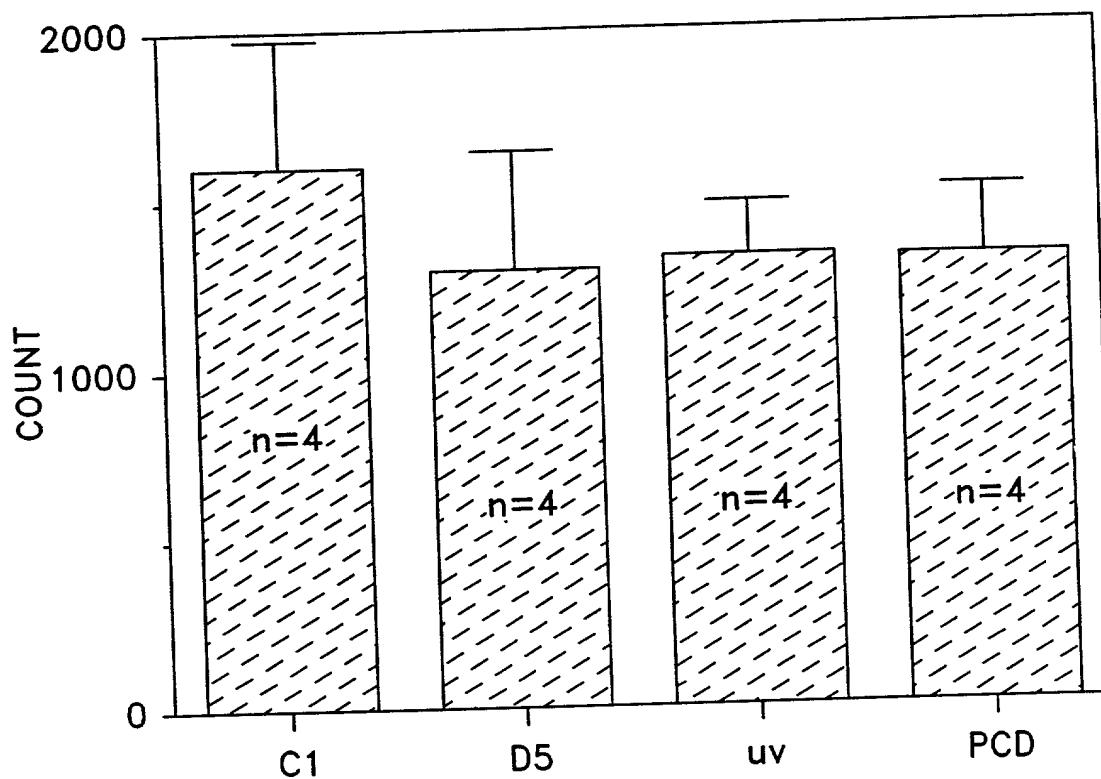


FIG. 21A

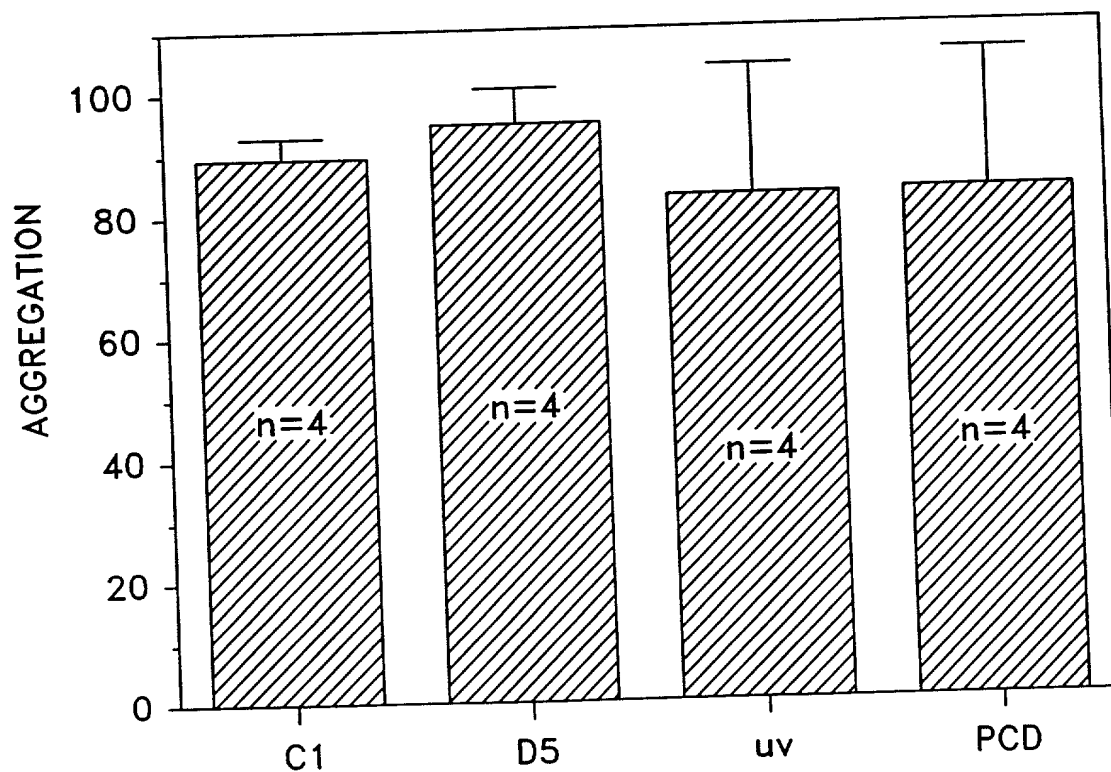


FIG. 21B

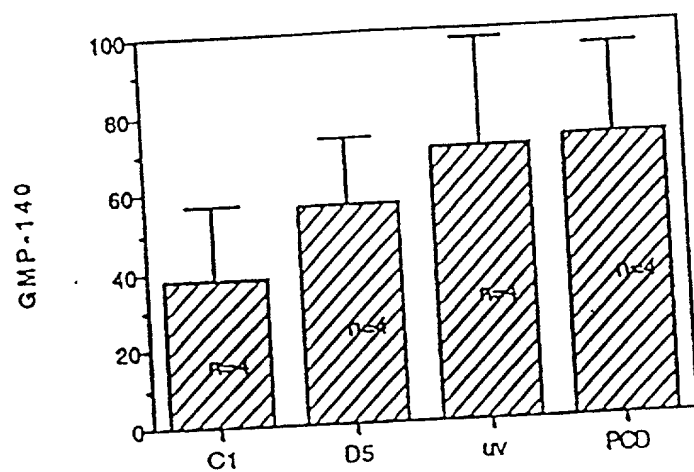


FIGURE 21C

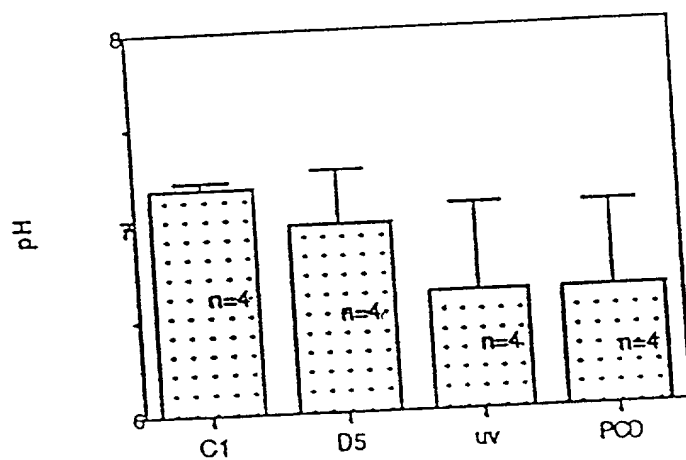


FIGURE 21D

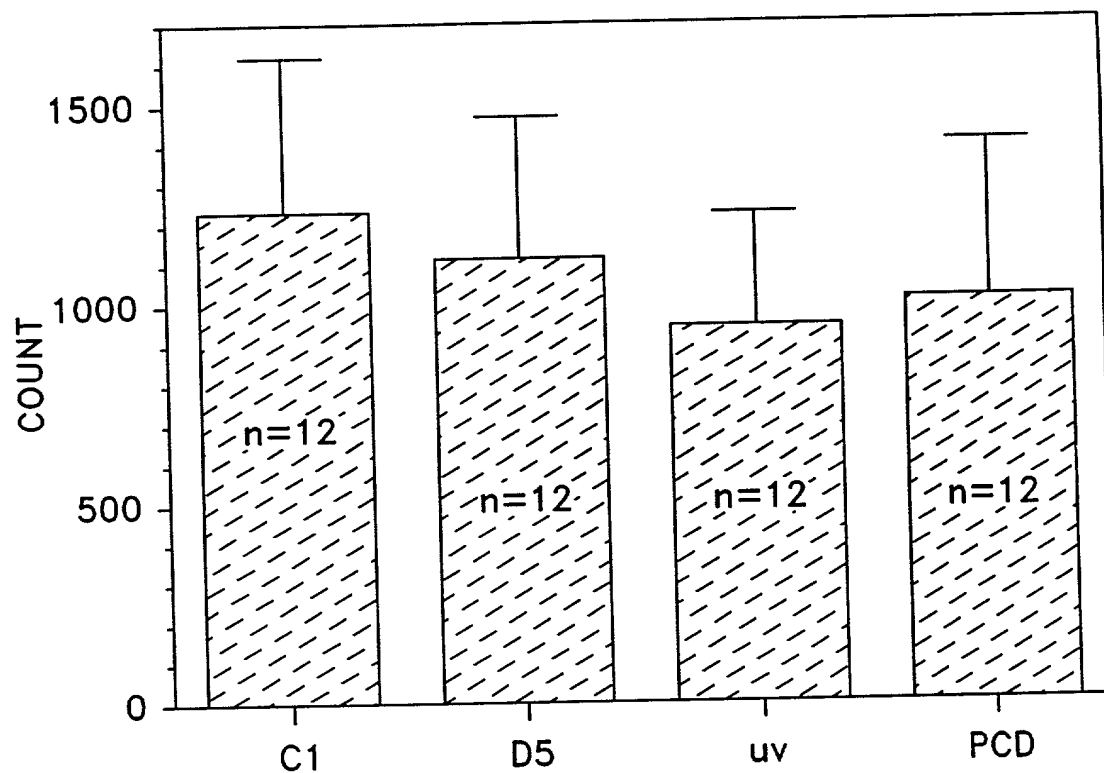


FIG. 22A

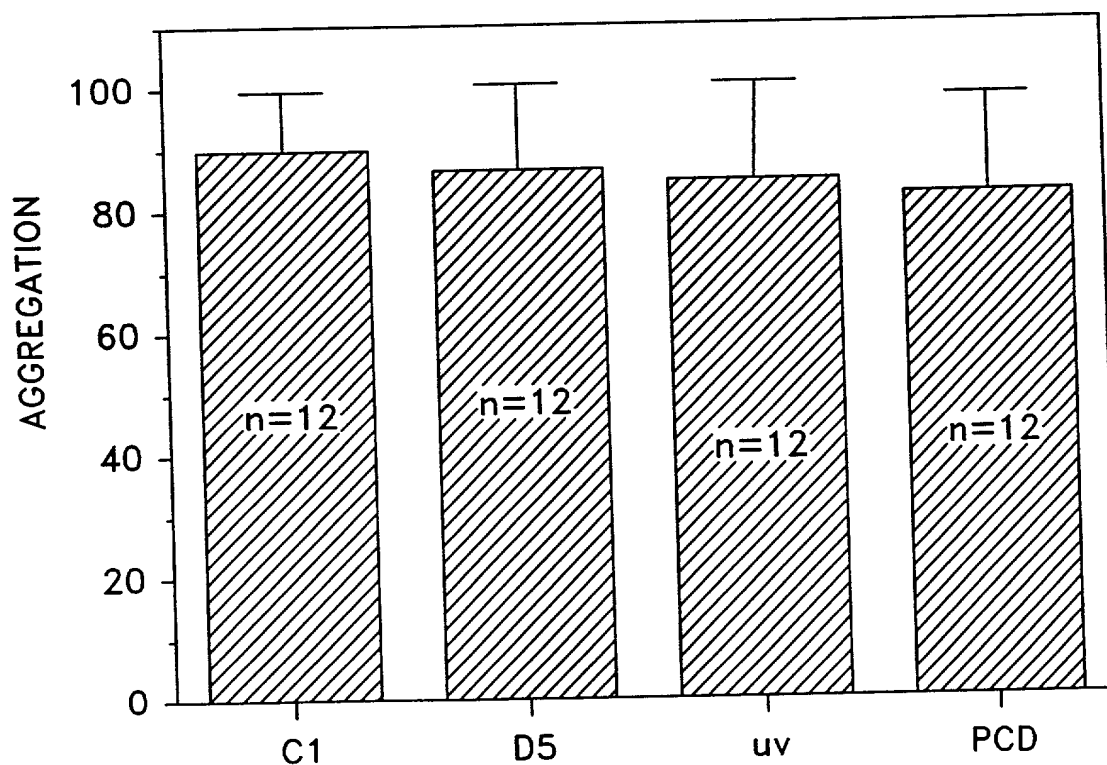


FIG. 22B

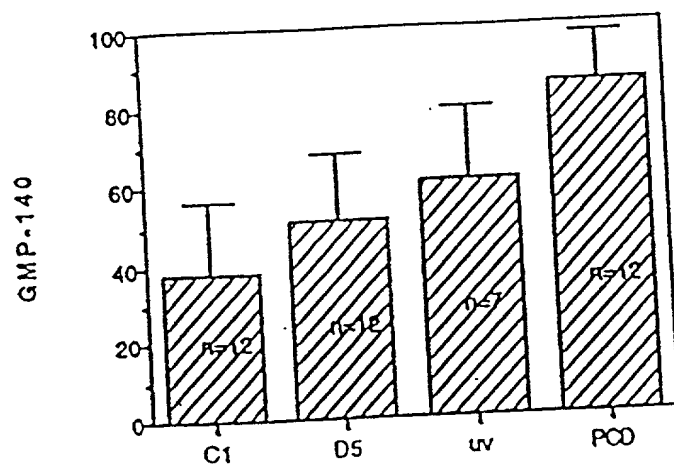


FIGURE 22C

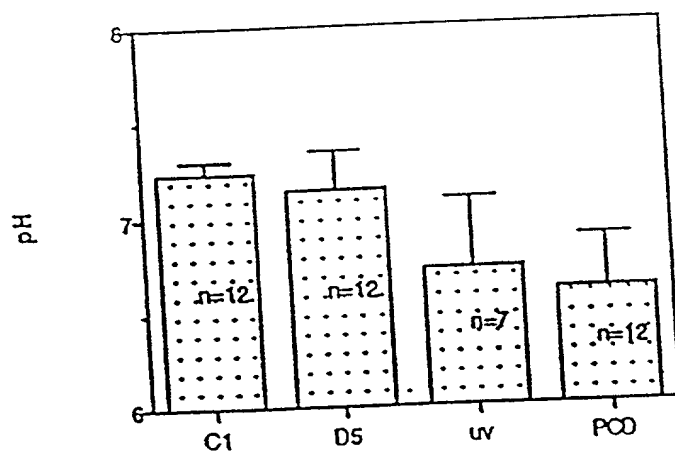


FIGURE 22D

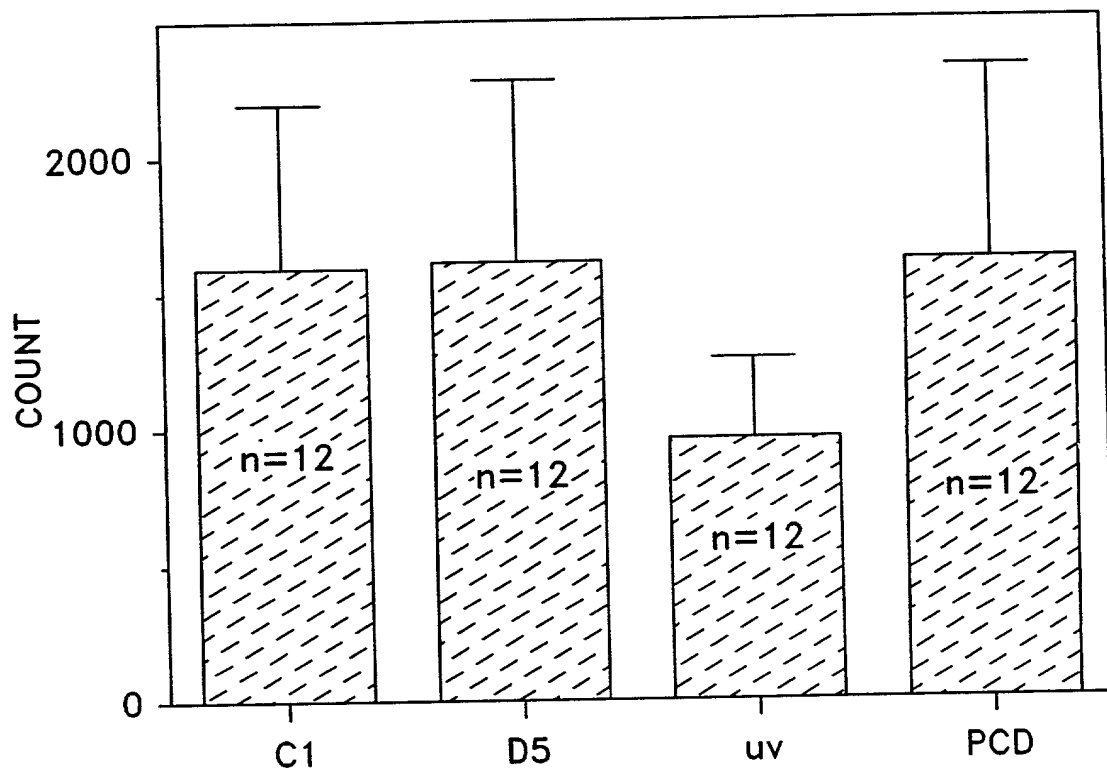


FIG. 23A

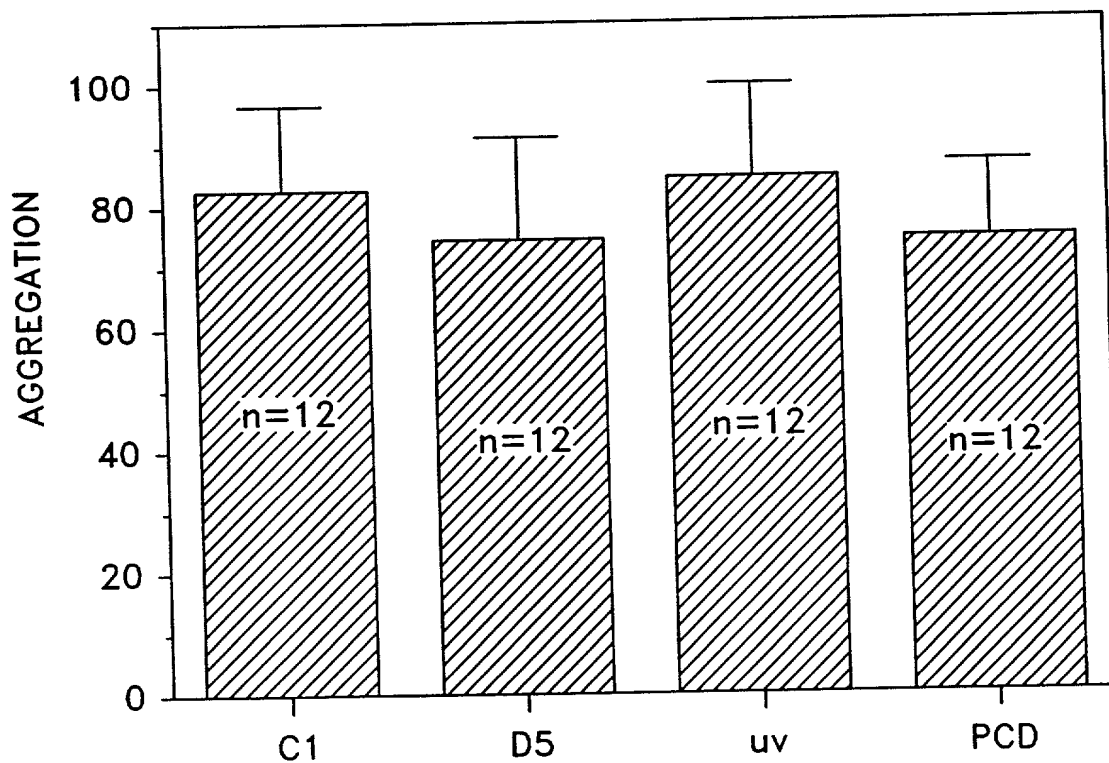


FIG. 23B



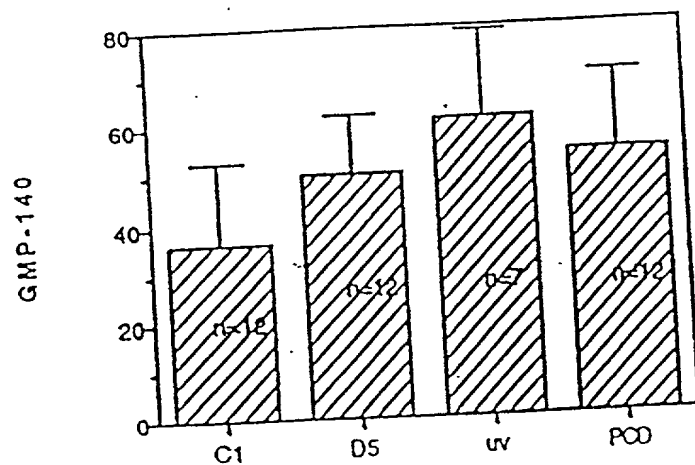


FIGURE 23C

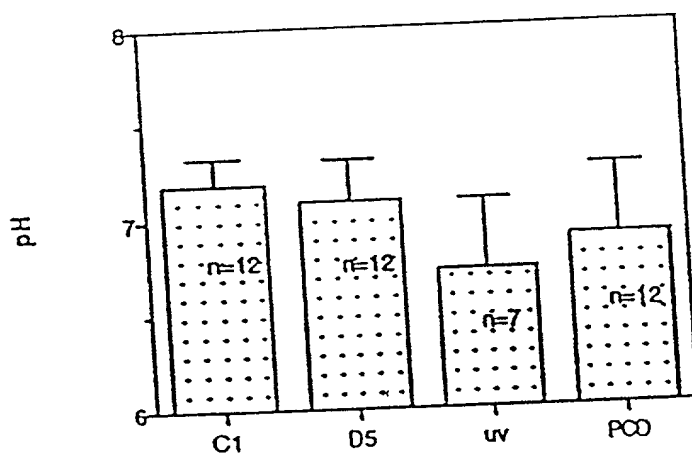


FIGURE 23D

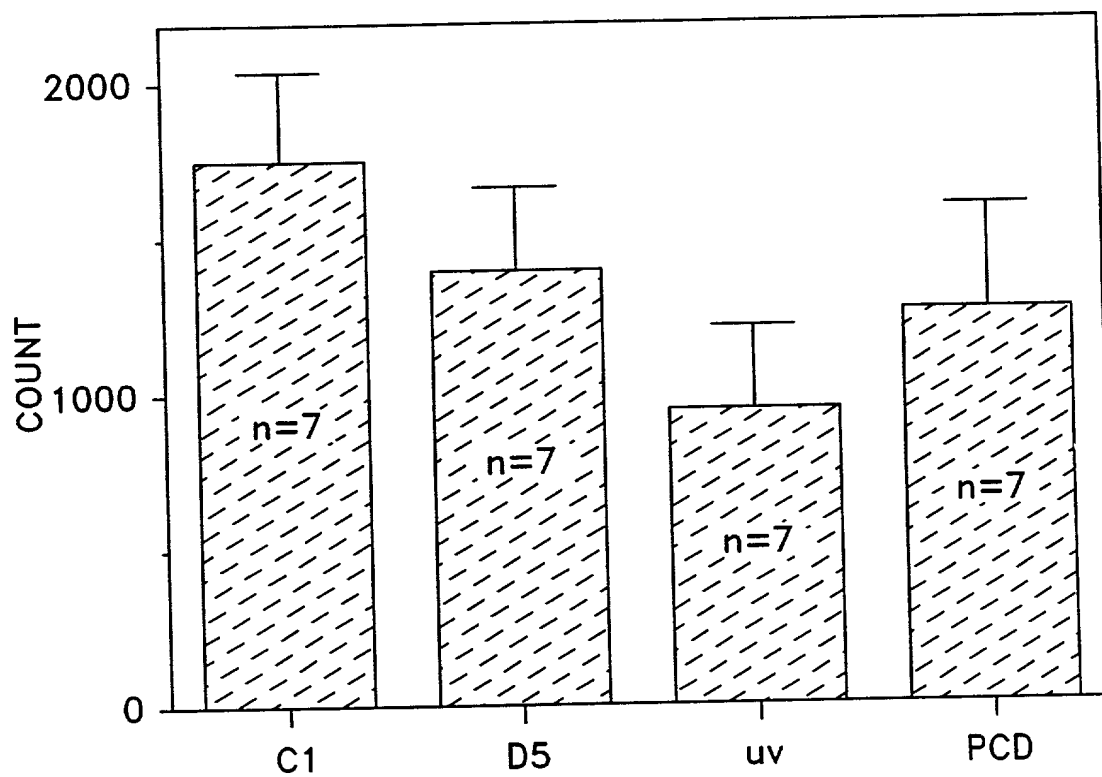


FIG. 24A

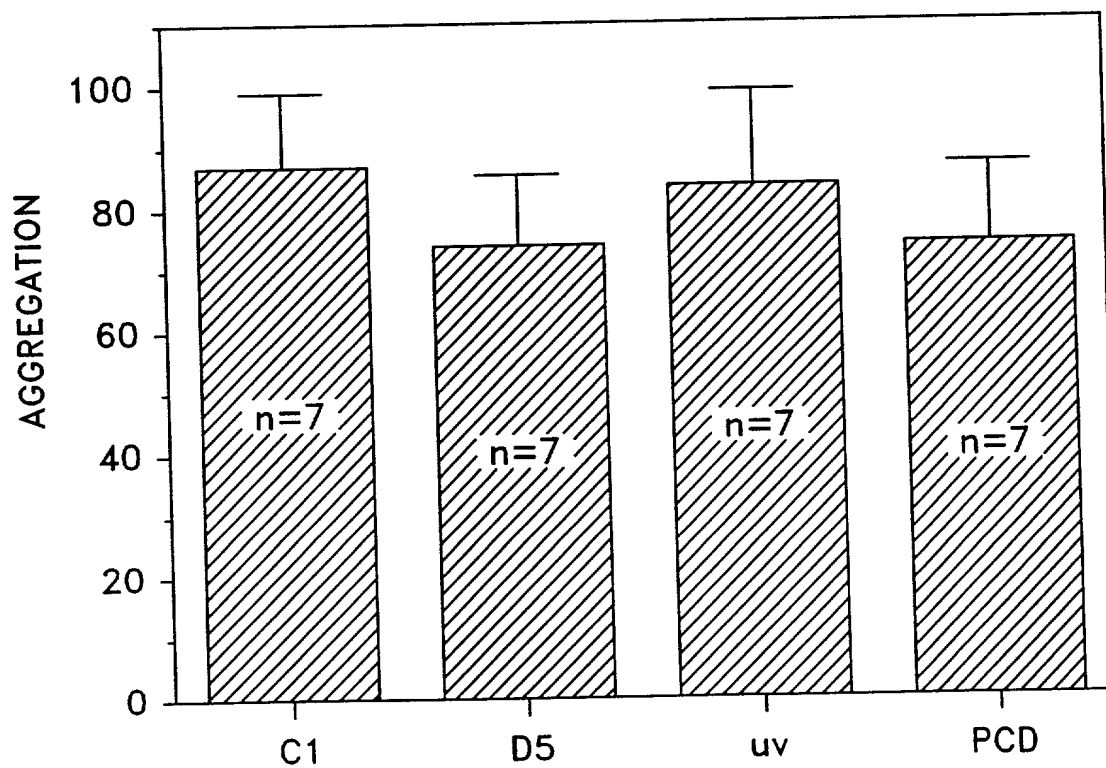


FIG. 24B

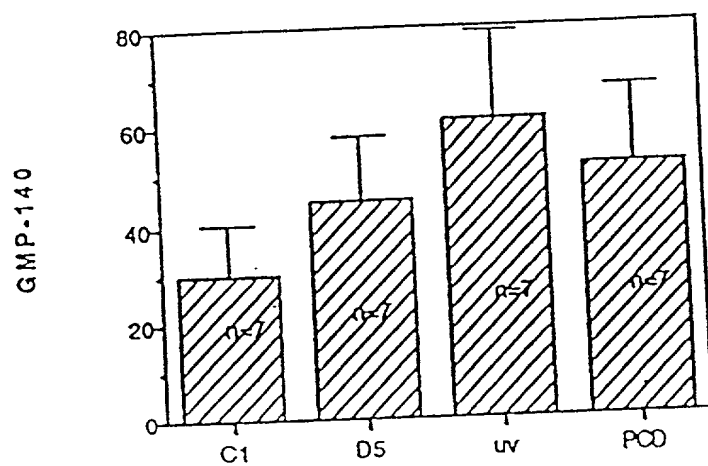


FIGURE 24C

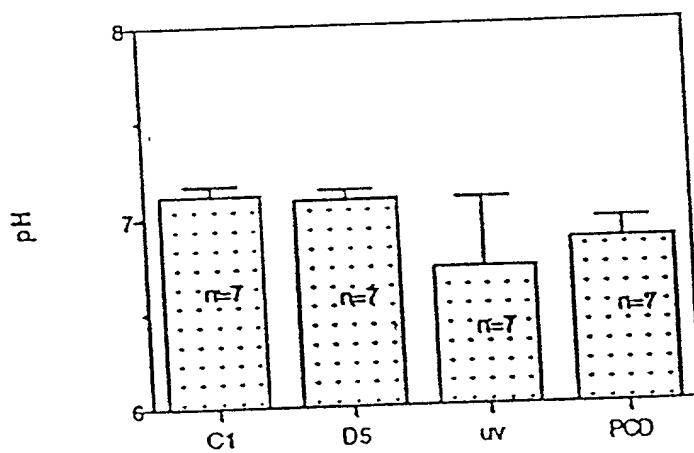


FIGURE 24D

FIGURE 25A

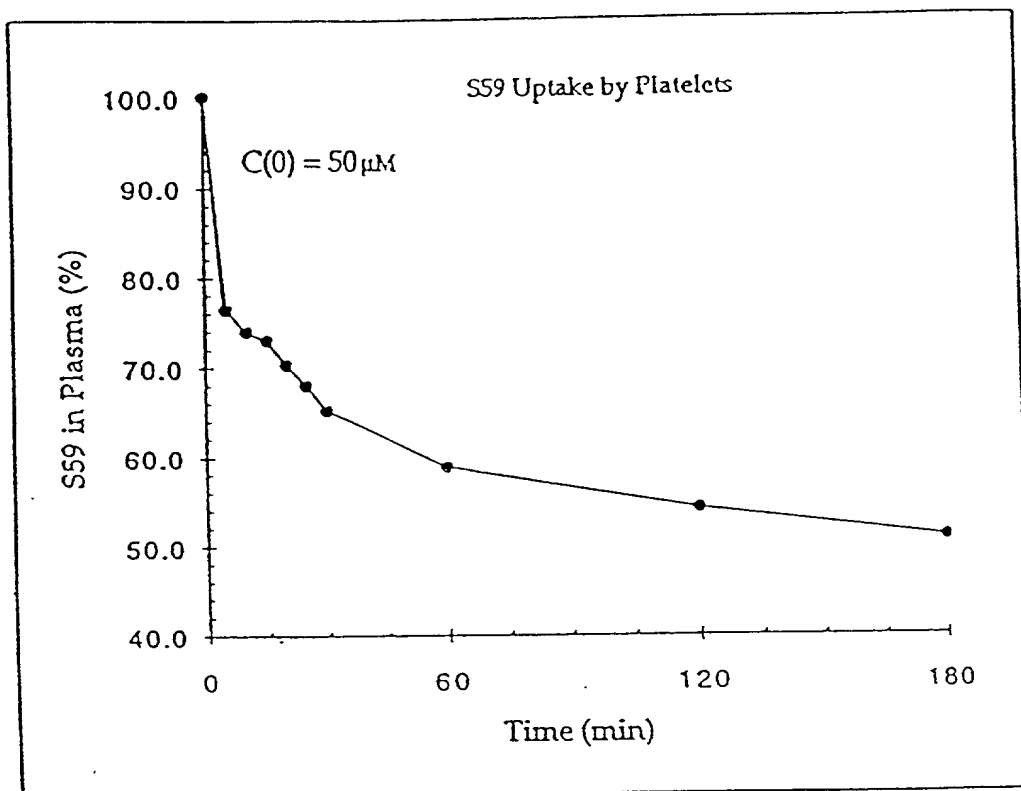


FIGURE 25B

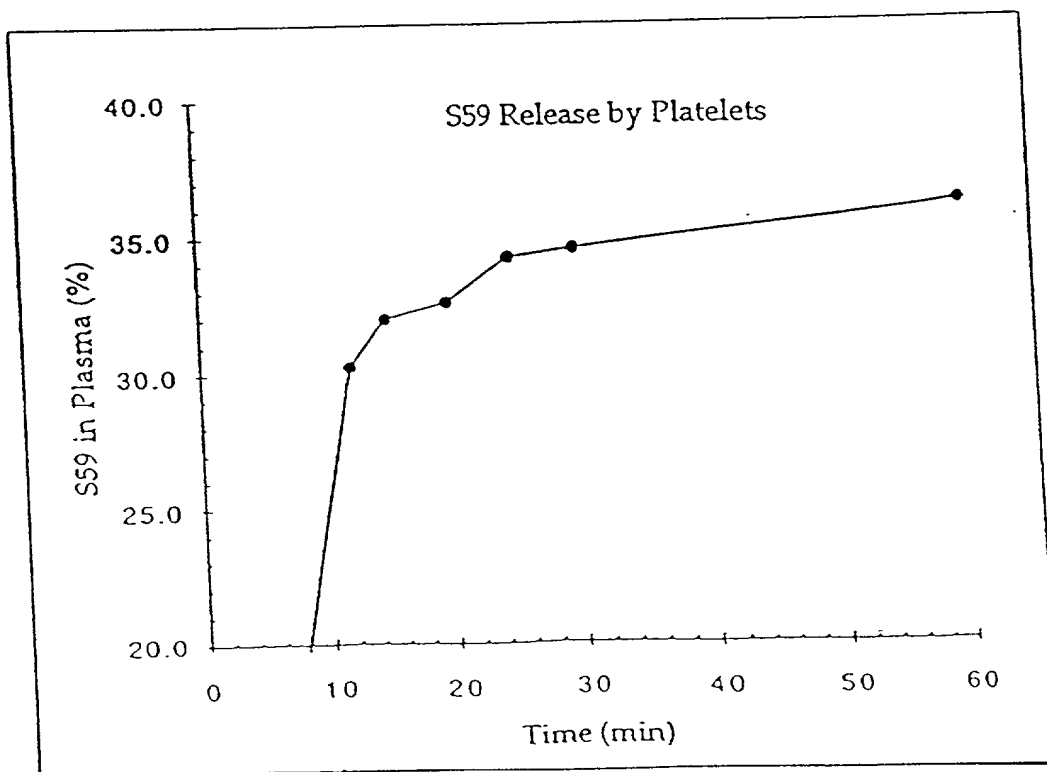


FIGURE 25C

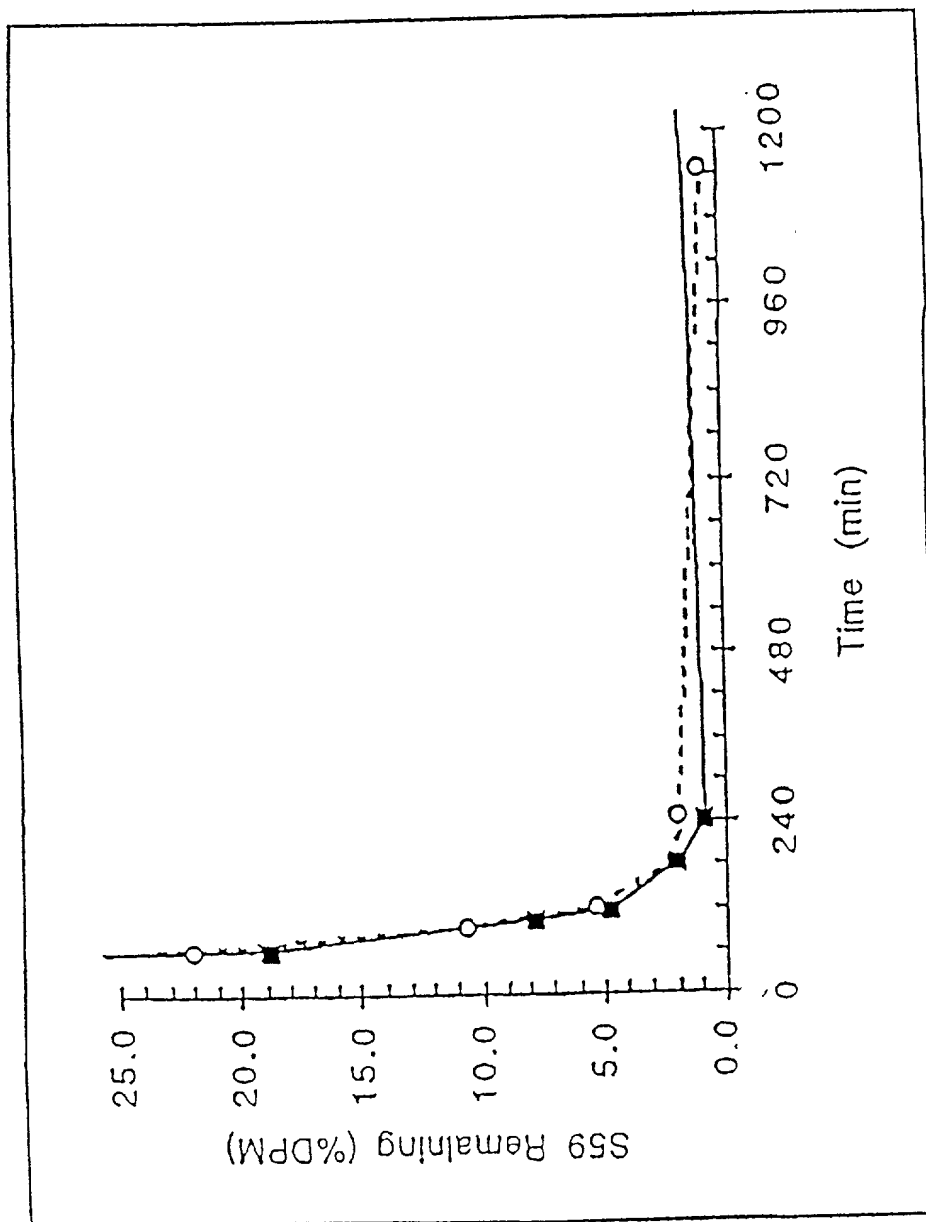
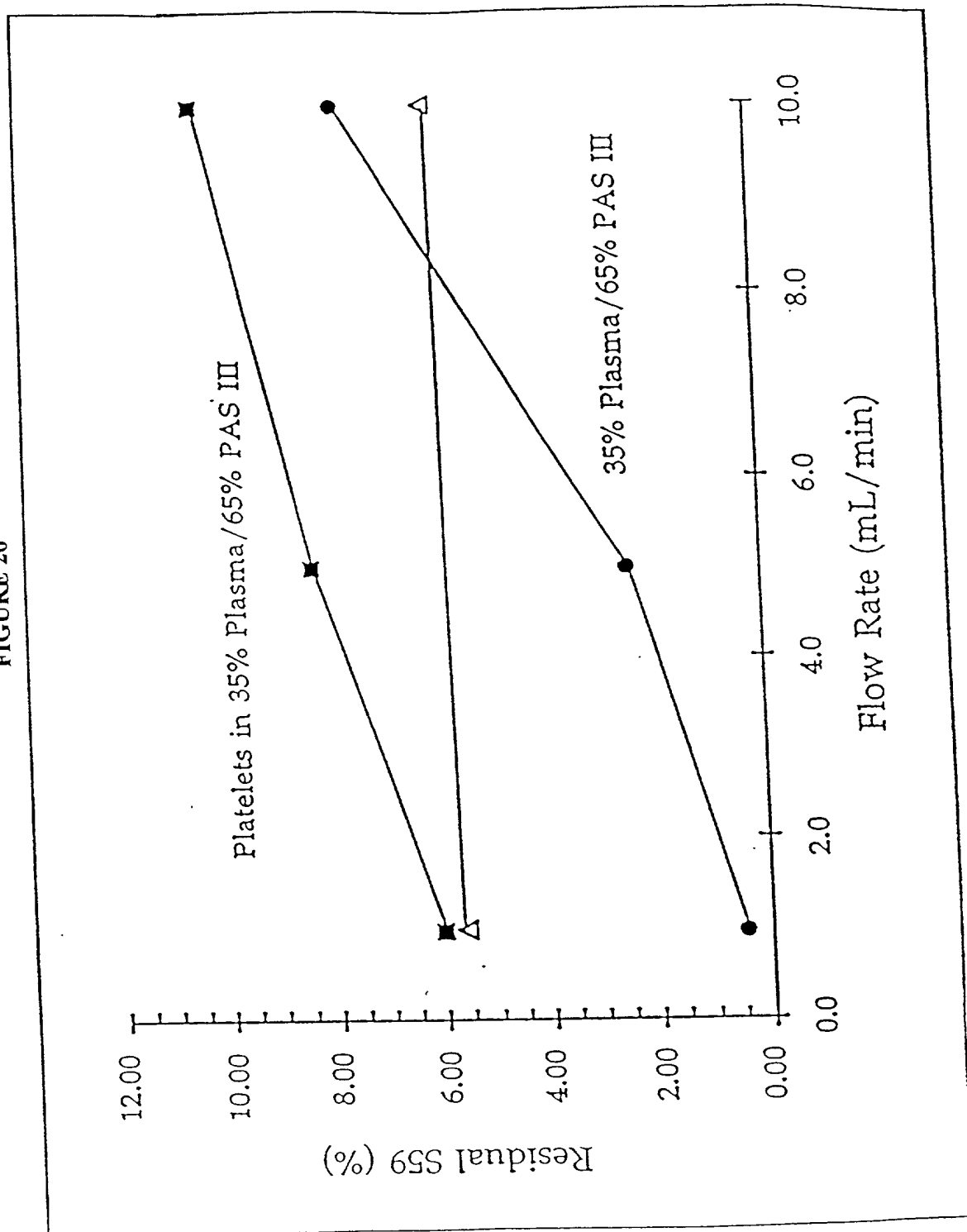


FIGURE 26



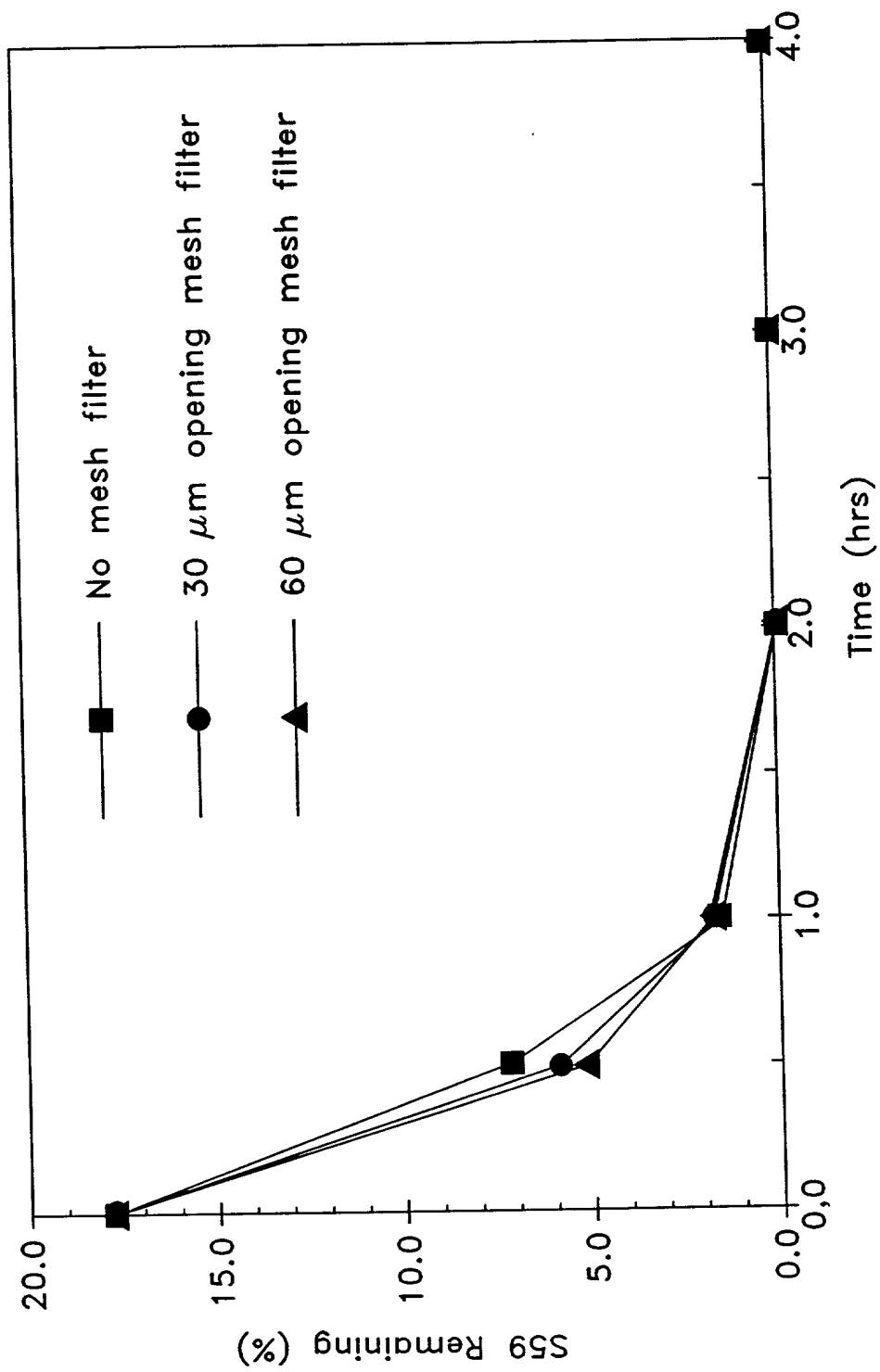
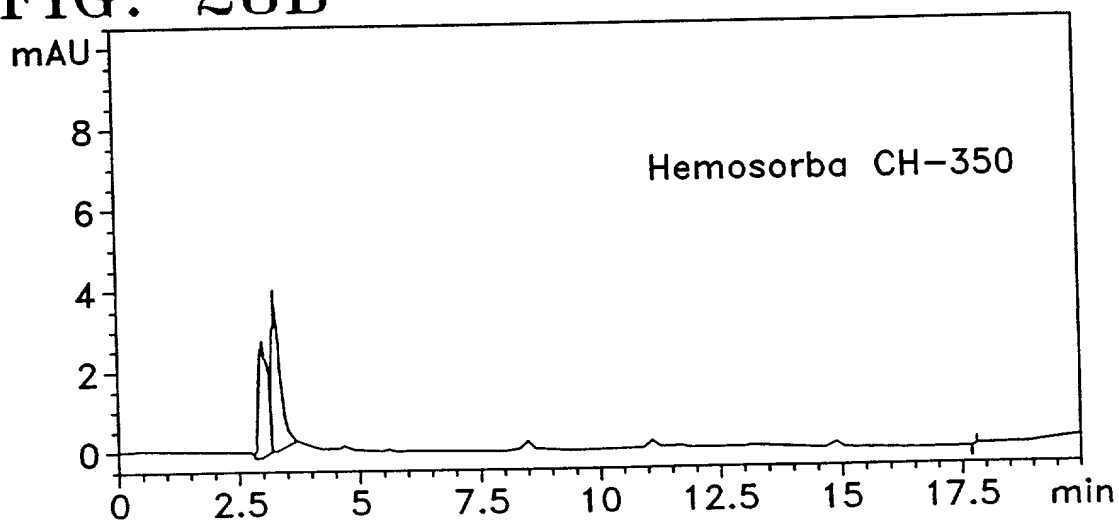
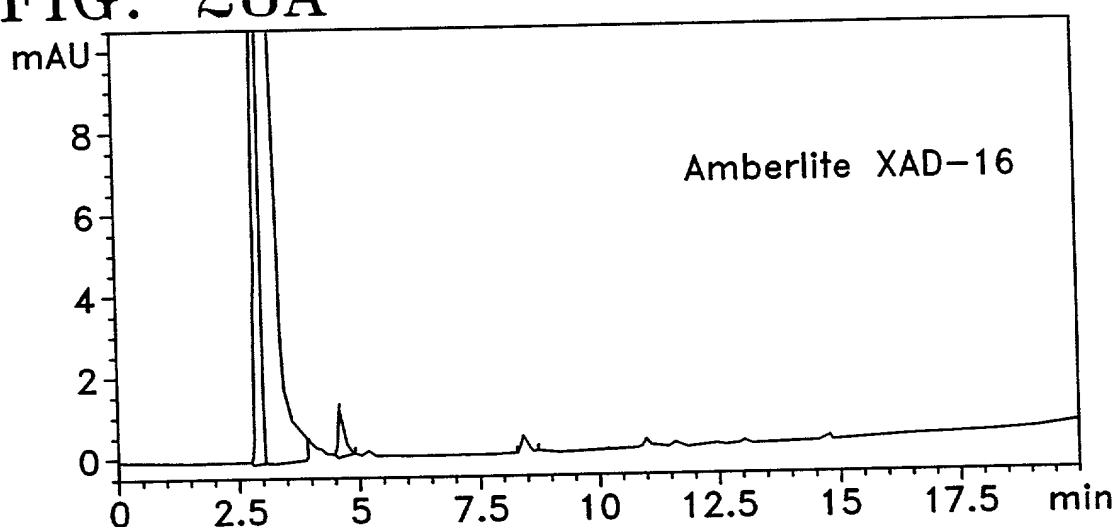
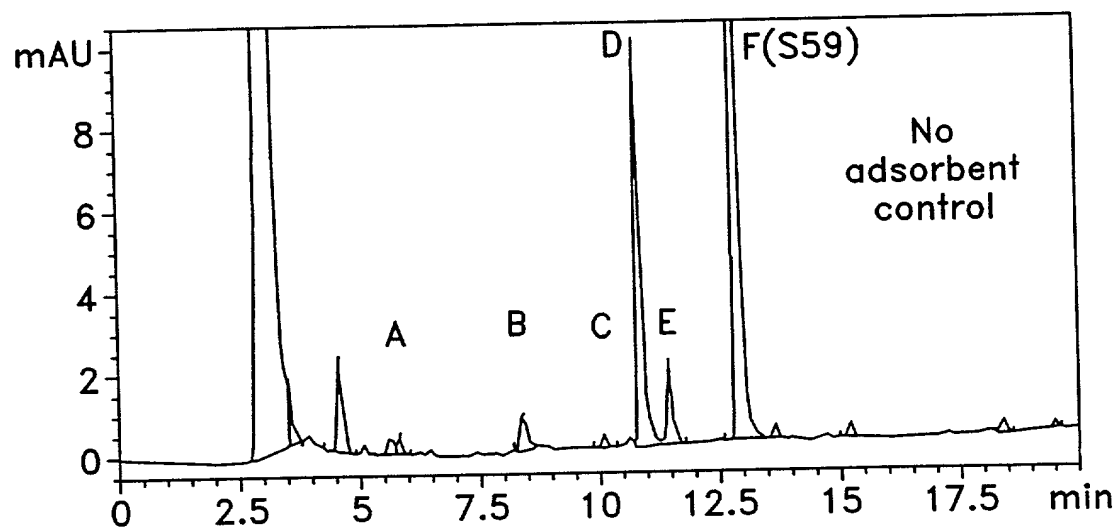


FIG. 27





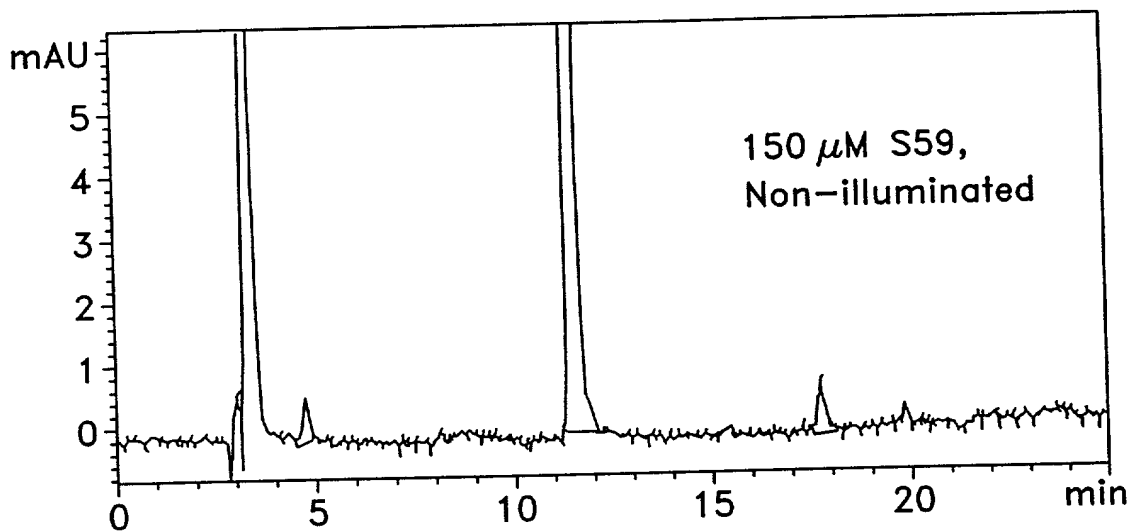


FIG. 28D

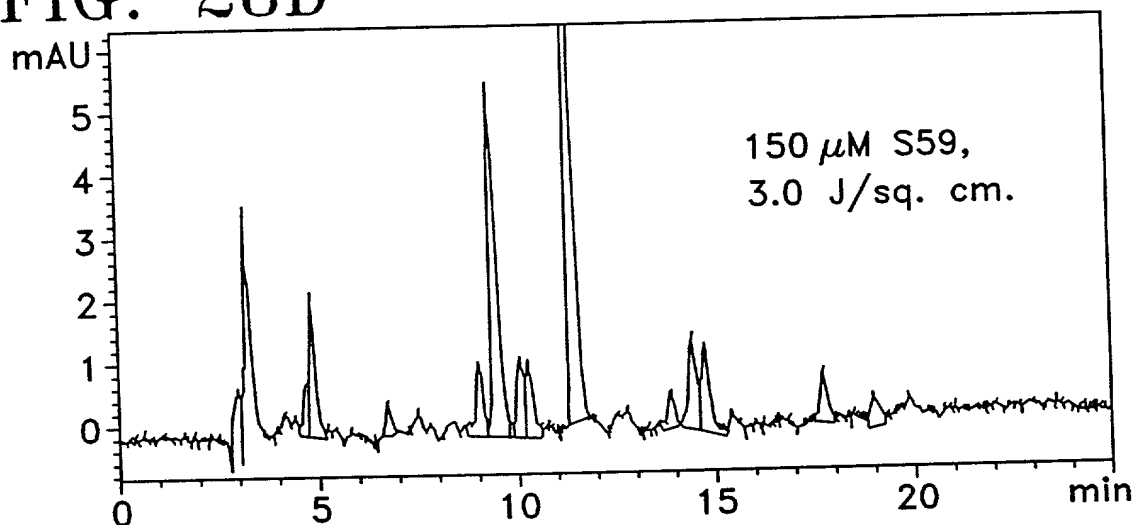


FIG. 28E

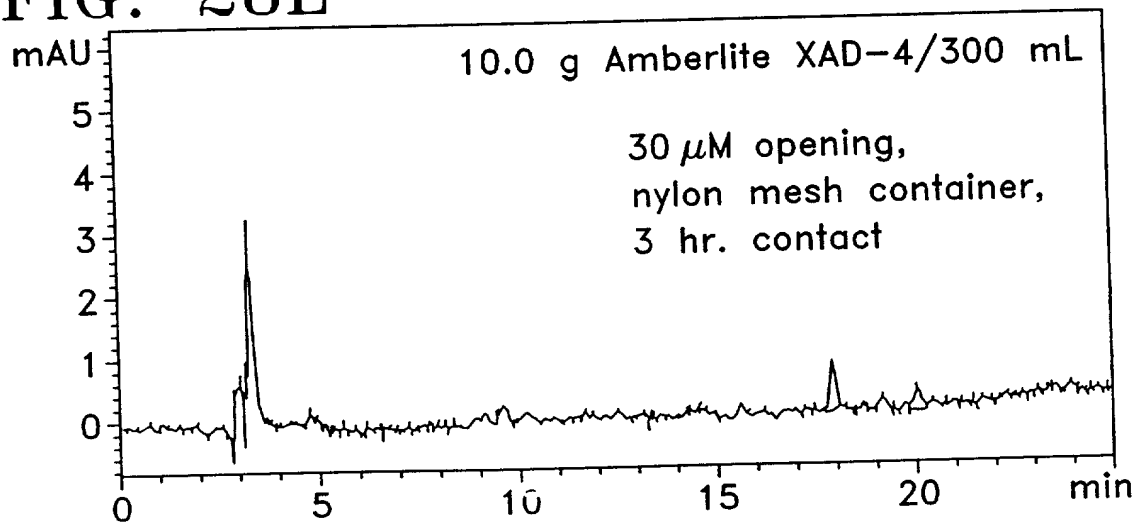
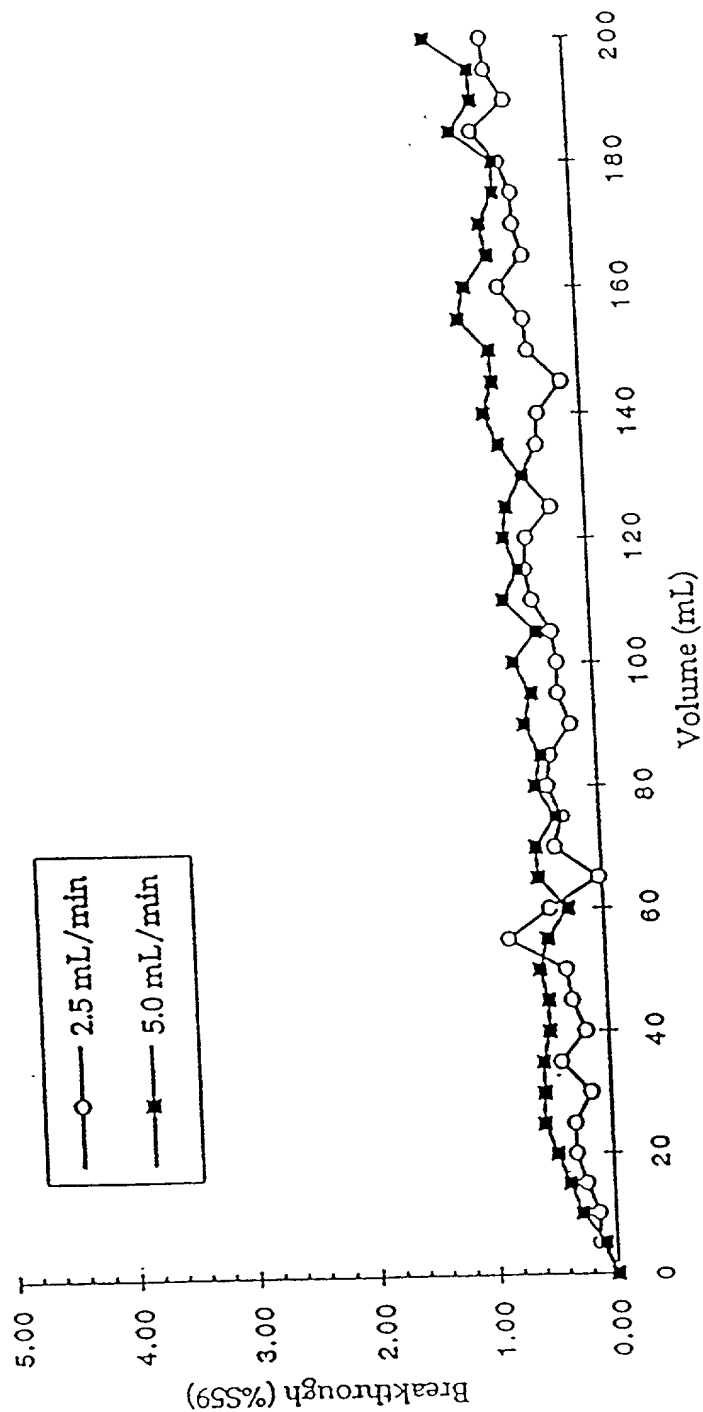


FIG. 28F

Figure 29

Flow Adsorption of S59 from 100% Plasma using Rezorian A161 (5 mL cartridge)

150  $\mu$ M S59 (-UVA), 100% Plasma



# FIBRINOGEN LEVEL AFTER S-59 PCD AND S-59 REMOVAL

▨ FIBRINOGEN

CRTL = CONTROL

E = HEMASORBA

F = SILICA

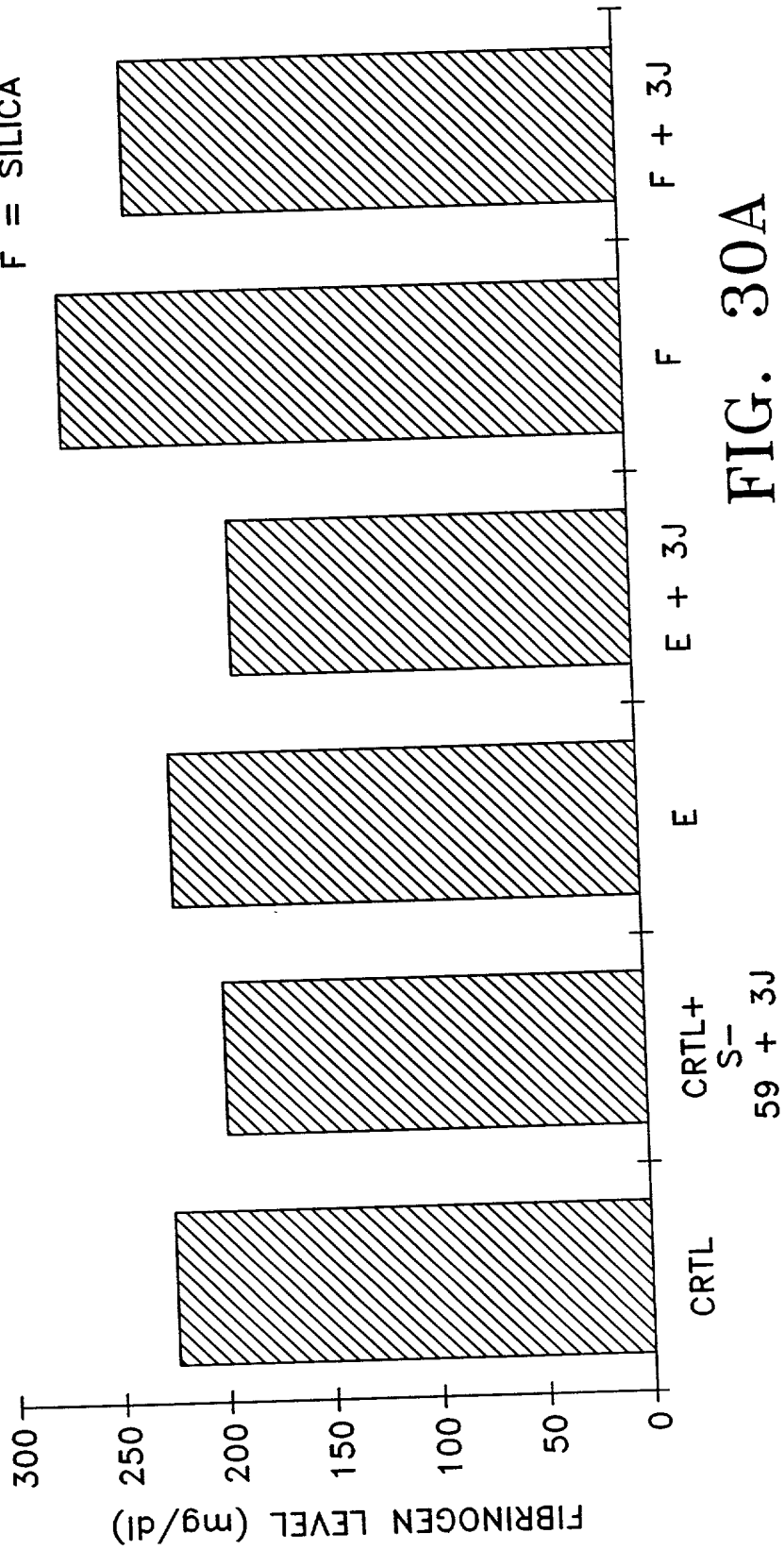


FIG. 30A

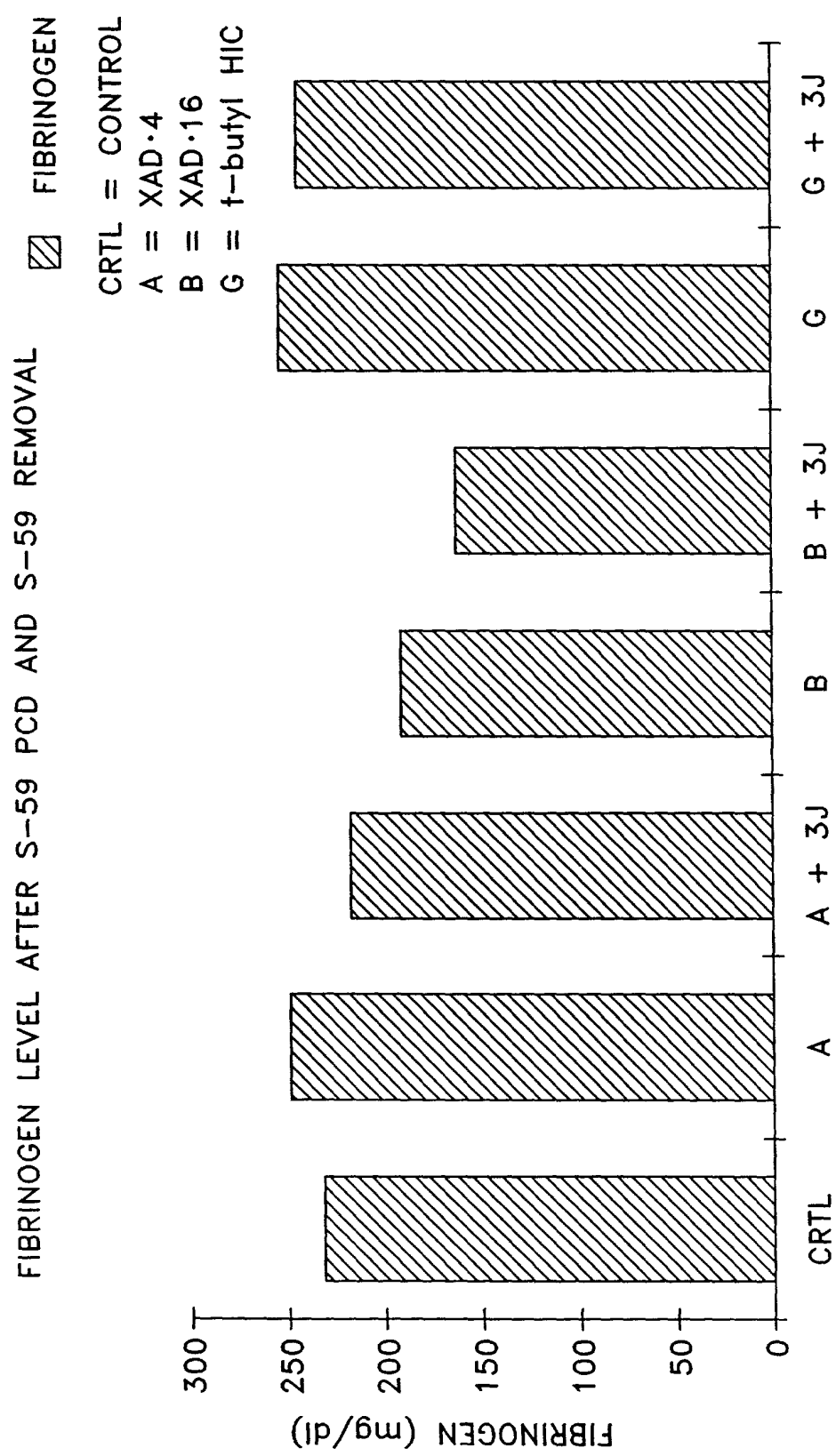


FIG. 30B

# PT, aPTT, TT COAGULATION FUNCTION AFTER S-59 PCD AND S-59 REMOVAL

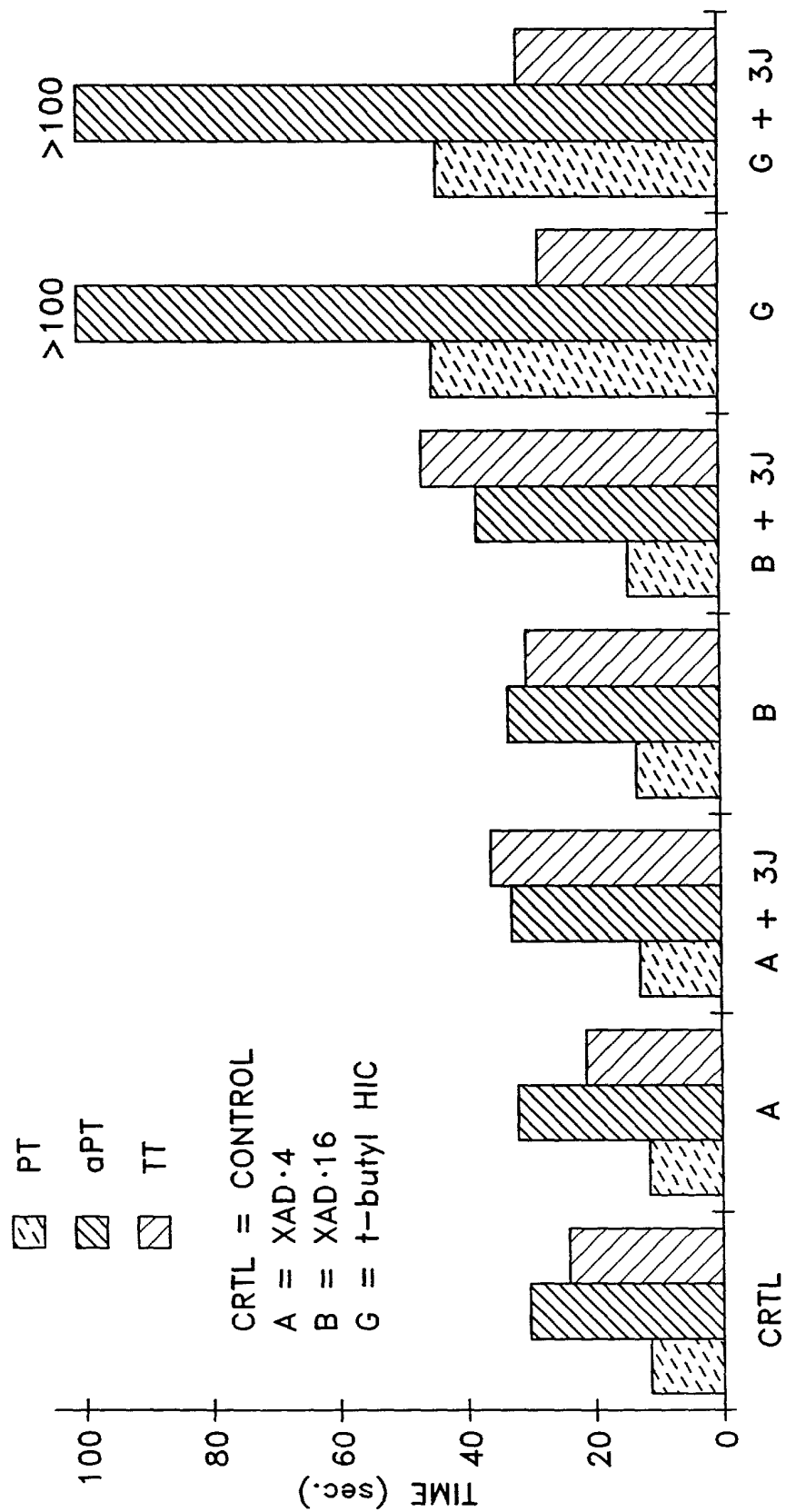


FIG. 30C

FACTOR V, FACTOR VIII AND FACTOR IX ACTIVITY AFTER S-59 PCD AND S-59 REMOVAL

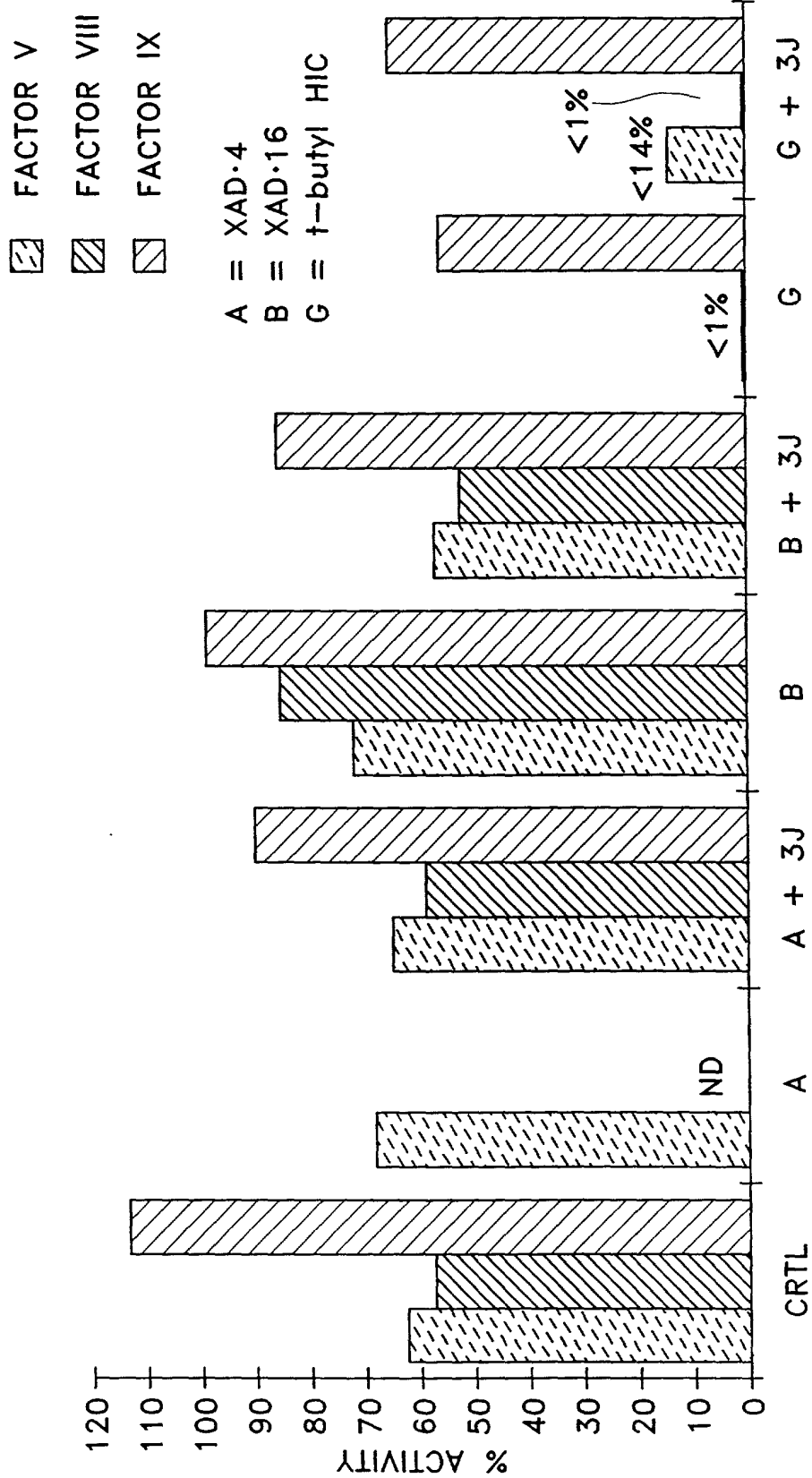


FIG. 30D

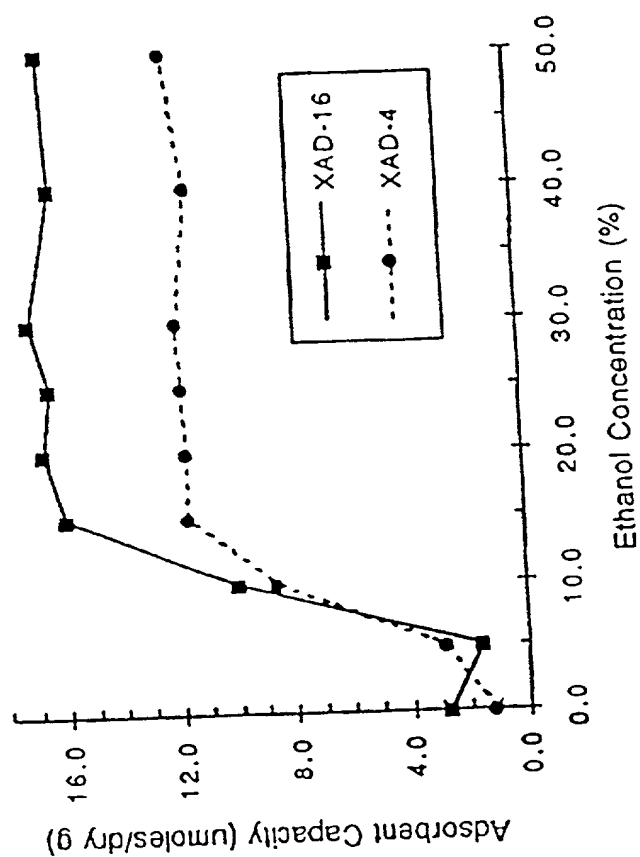


Figure 31

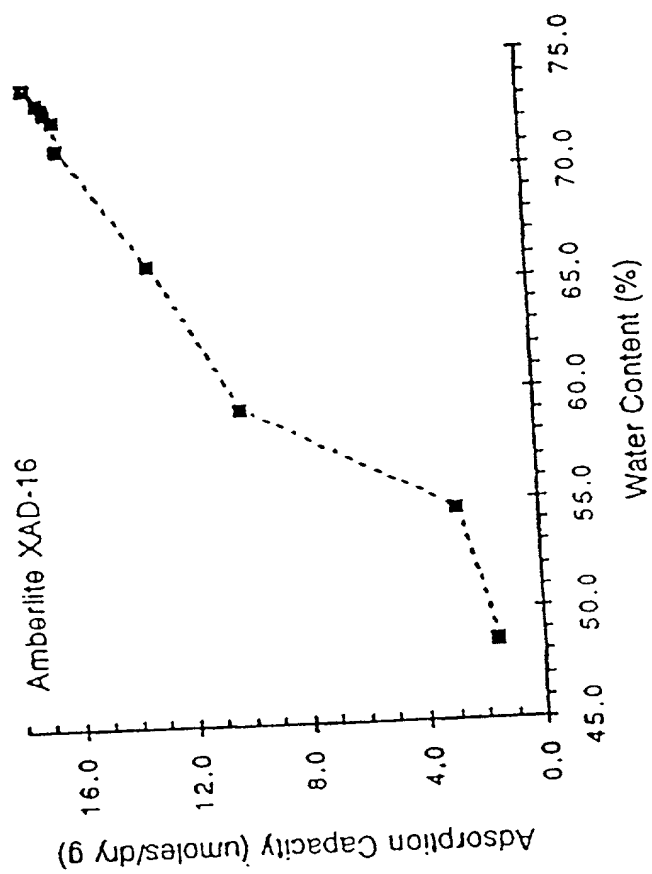


Figure 32



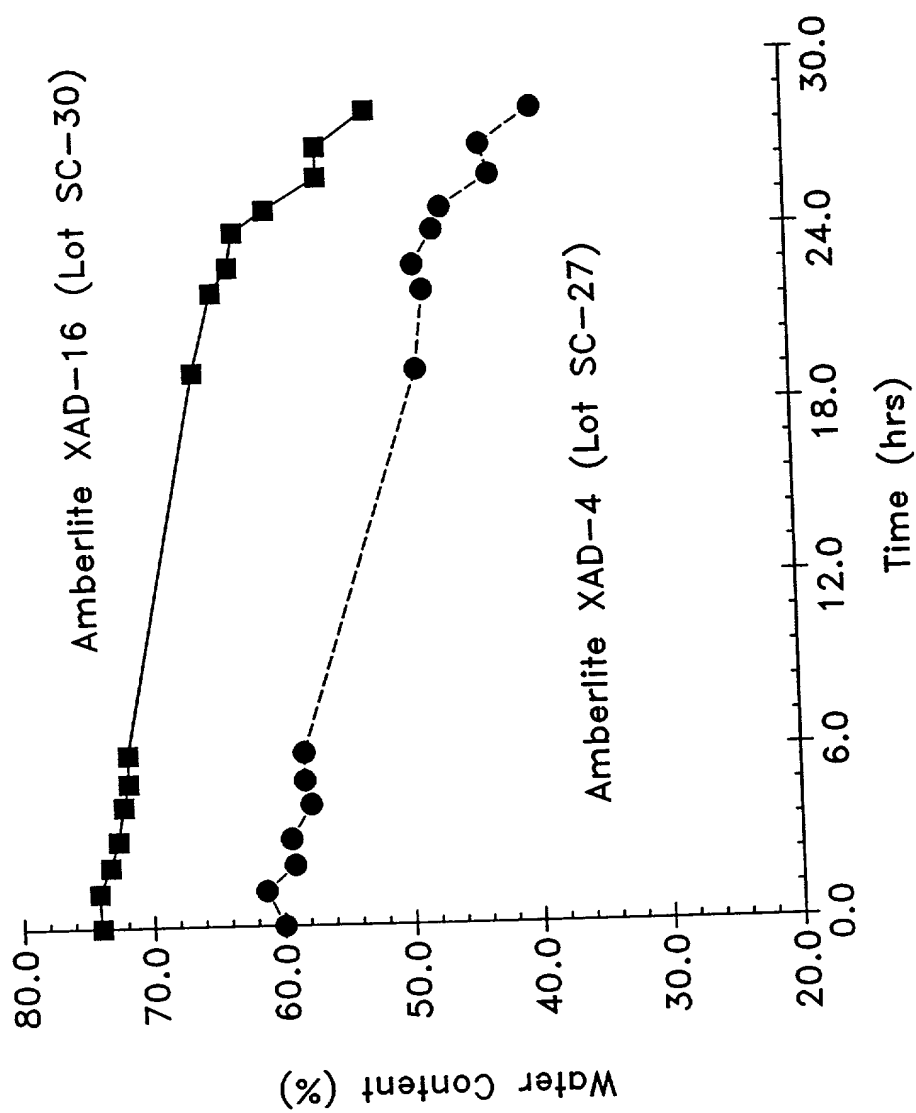


FIG. 33

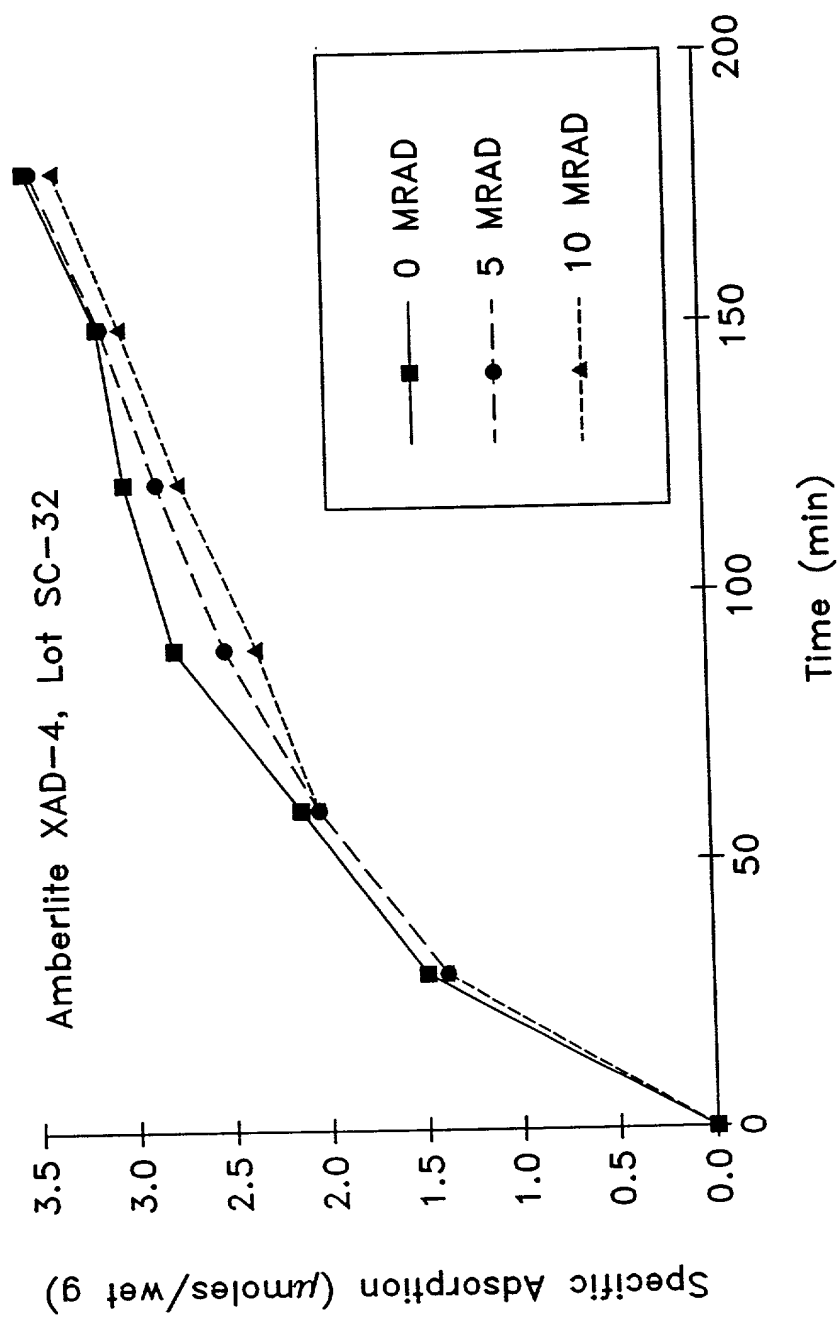


FIG. 34A

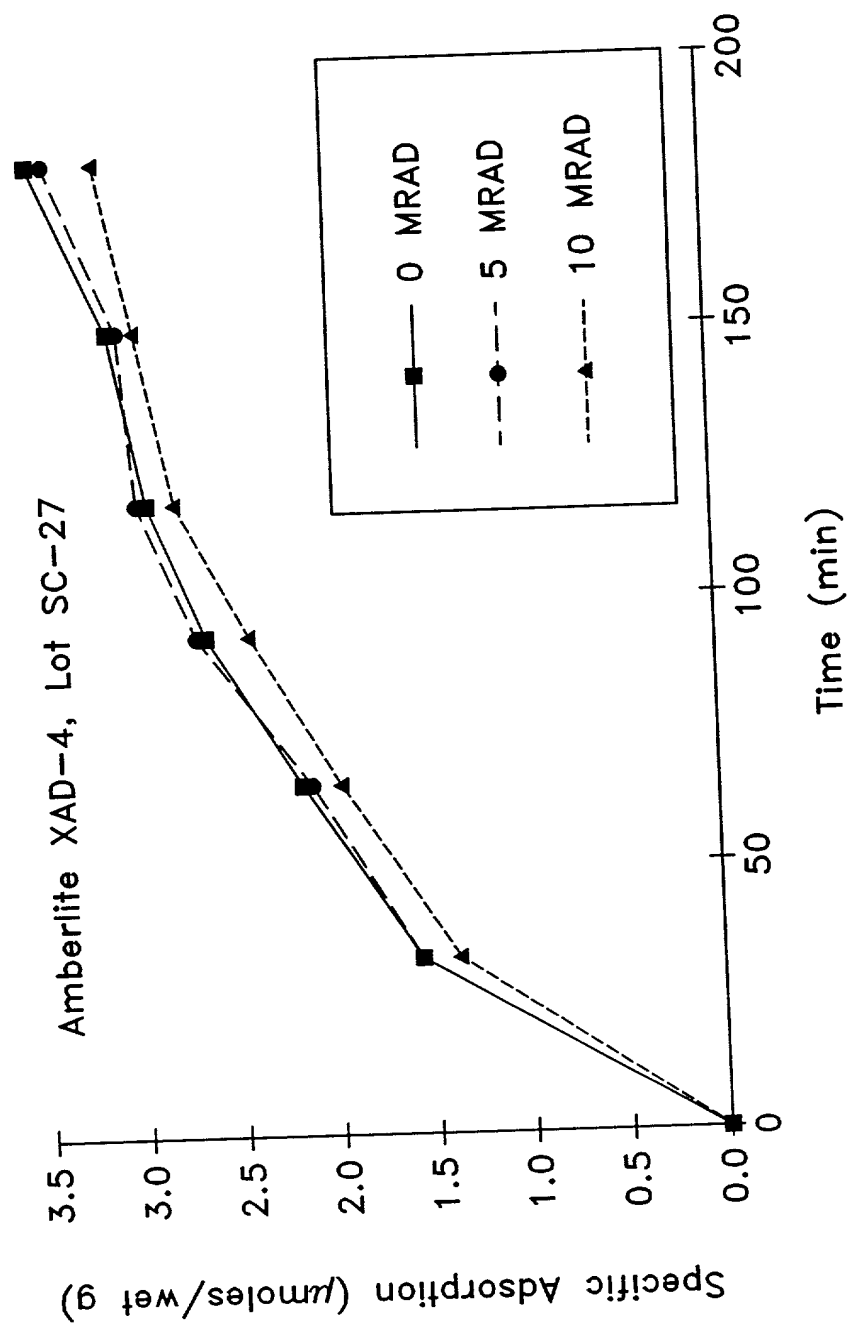


FIG. 34B

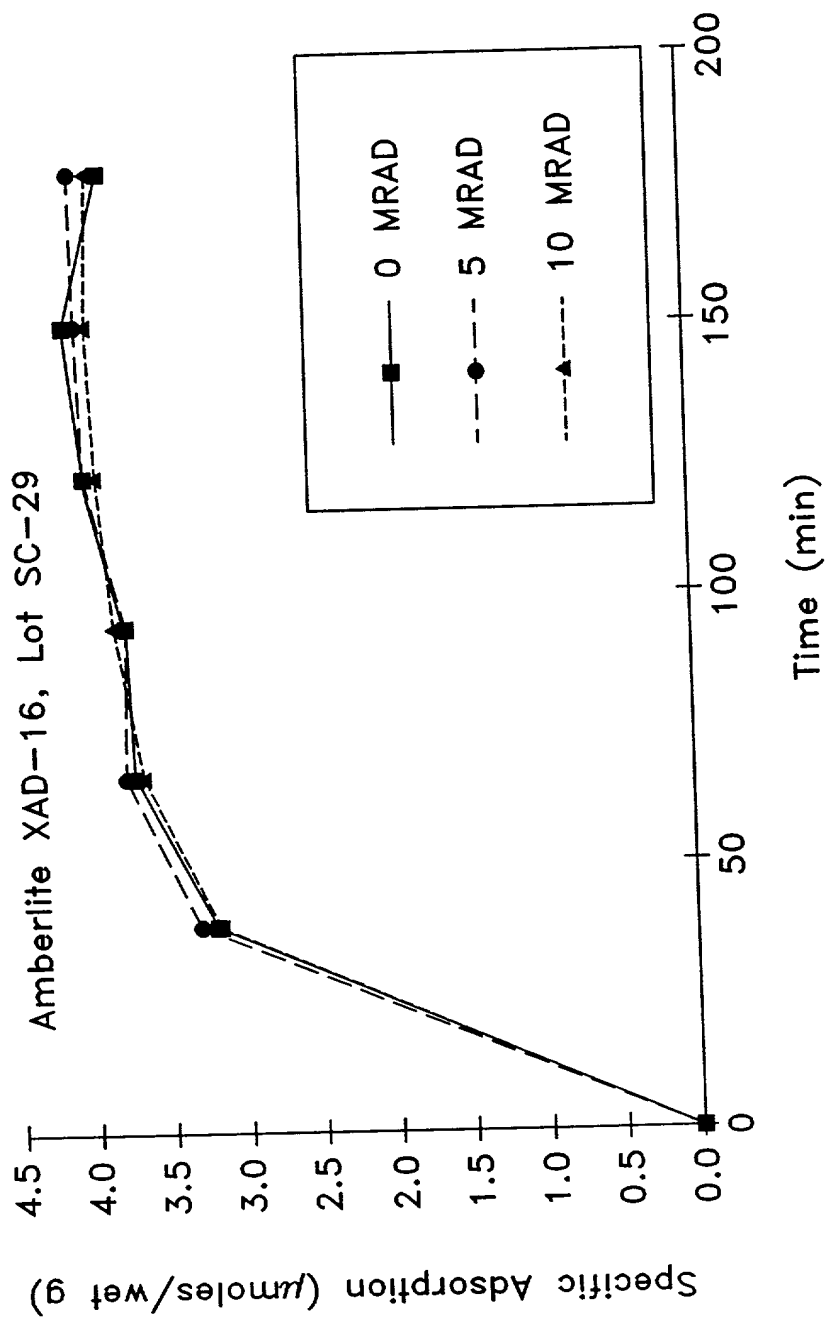


FIG. 35A

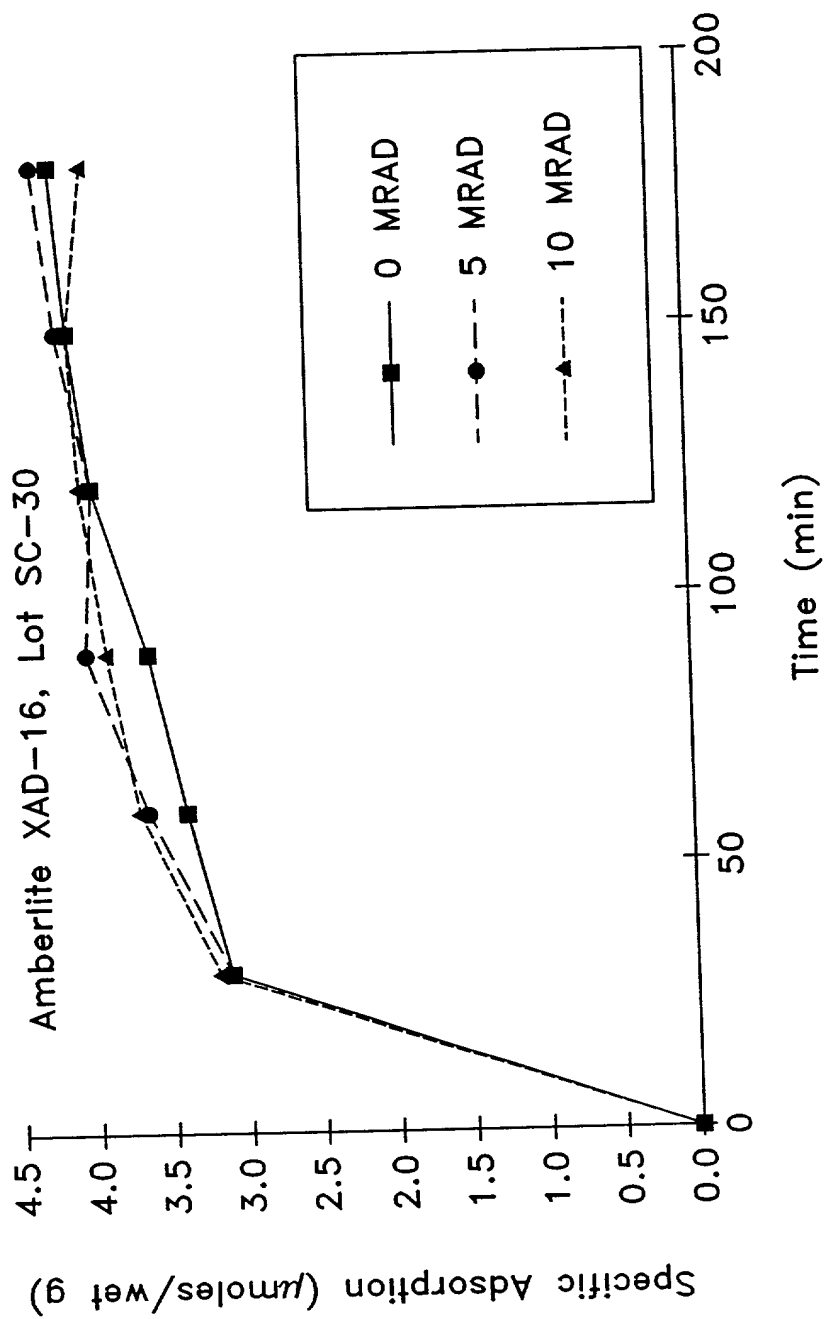


FIG. 35B

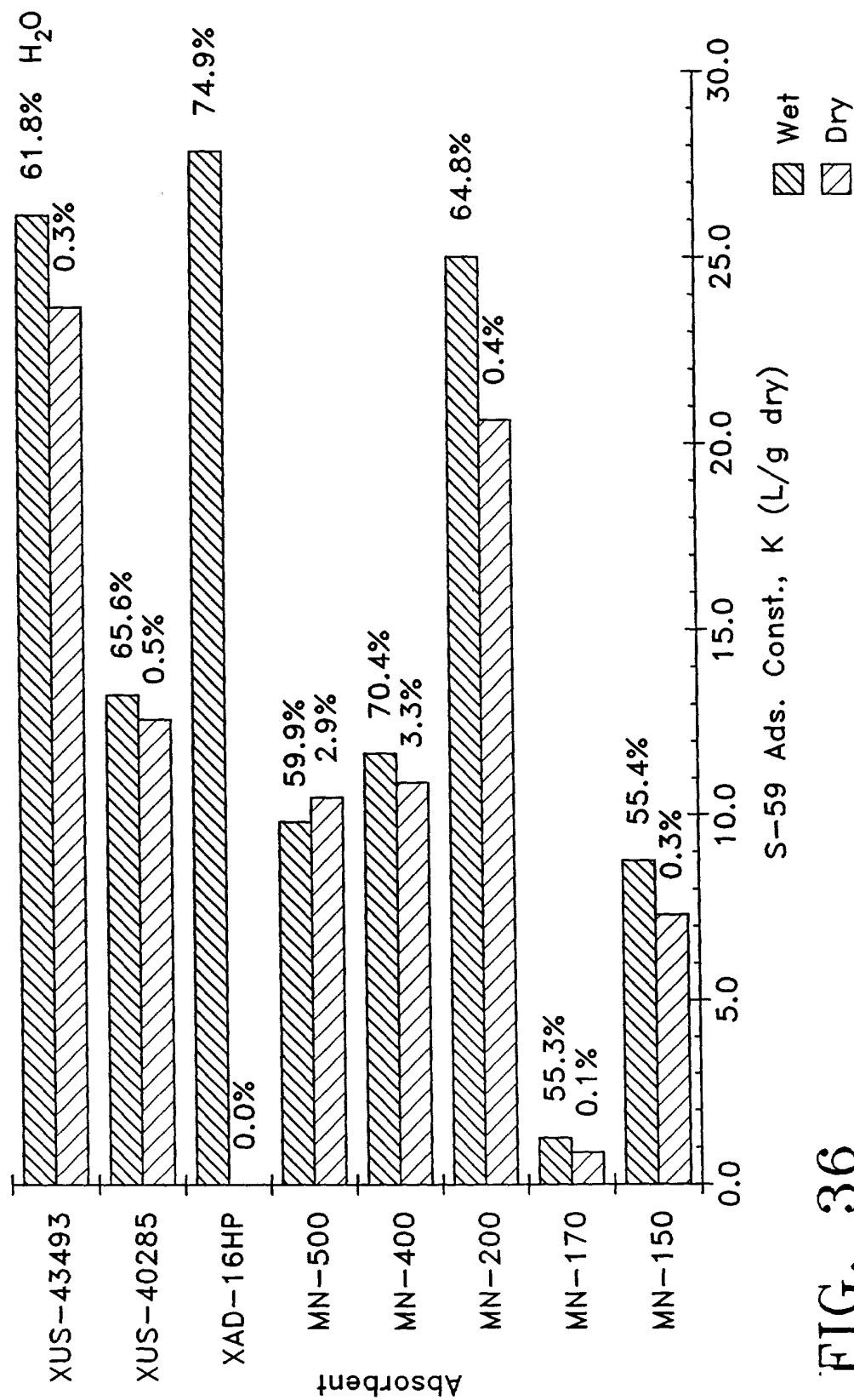


FIG. 36

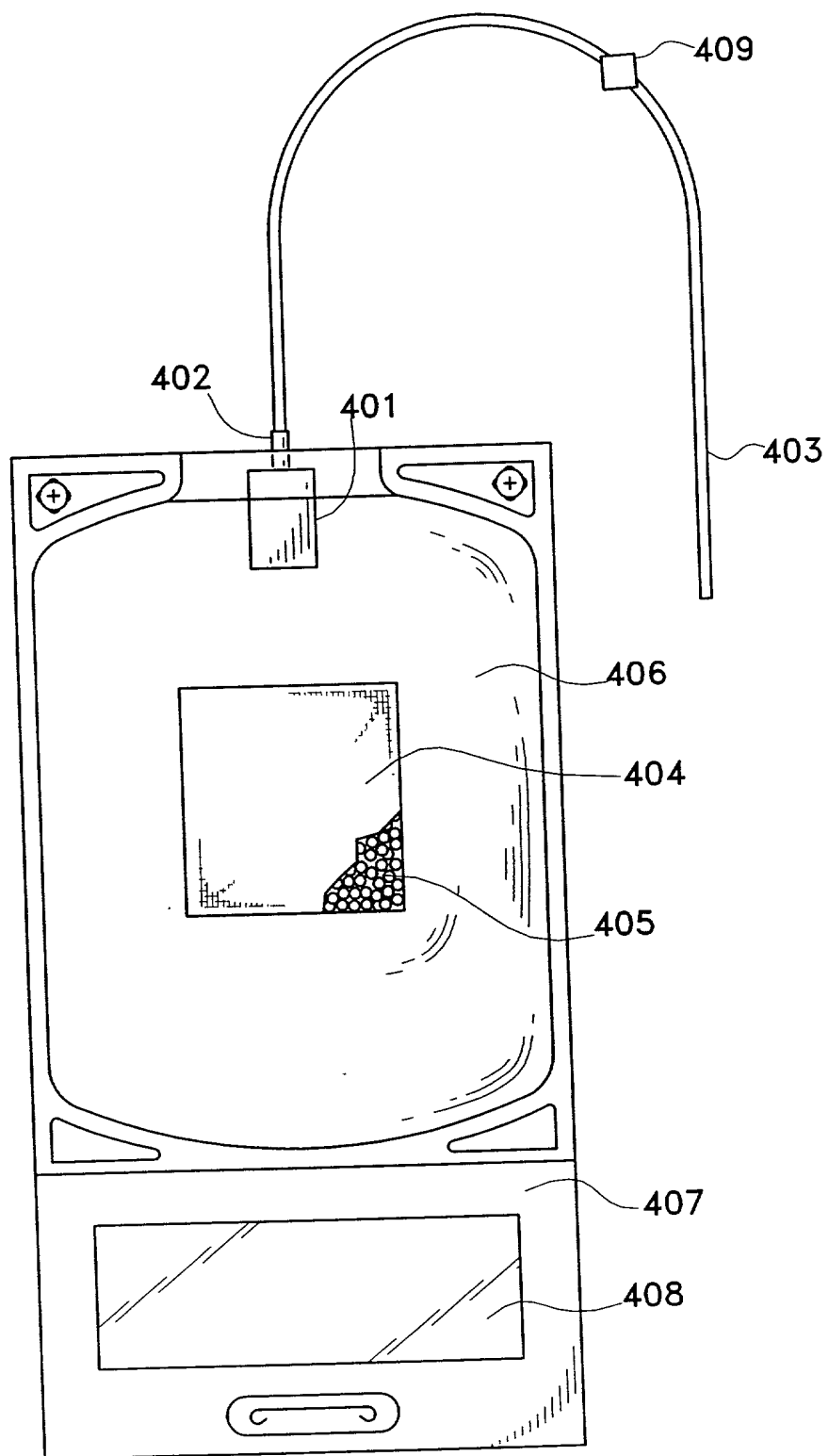


FIG. 37








Manufacture of Port Seal Subassembly		Manufacture of Filled Mesh Pouch	
A1 Mesh (PL 1144 Plastic) arrives cleaned and cut to final dimension		B1 Mesh (PL 1144 Plastic) arrives cleaned and cut to final dimension	
A2 Mesh is folded longitudinally and sealed transversely forming port filter open on one end		B2 Mesh is folded longitudinally and sealed transversely forming mesh bag, open on one end	
A3 Port filter is sealed to port bushing completing port seal subassembly		B3 Mesh pouch is precision filled by weight with adsorbent beads and sealed closed	
		B4 Pouches are cleaned in vacuum and subject to 100% inspection	

FIG. 38A



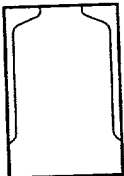
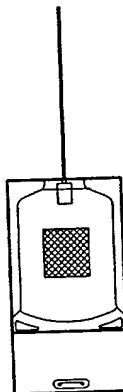
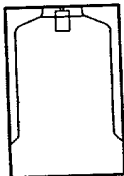
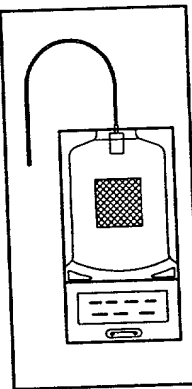
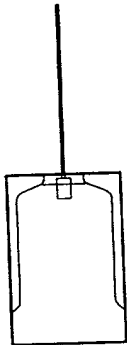
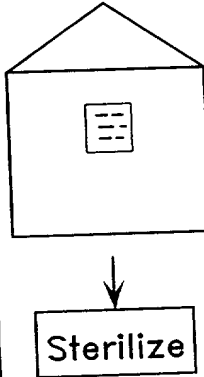
Manufacture of PL 2410 Plastic Container		Completion of SRD	
C1 Sides of the container are formed by RF welding 2 plies PL 2410 Plastic, leaving bottom open		D1 Finished mesh pouch is inserted into C2, the bottom sealed is made forming nonsterile SRD	
C2 Port filter is integrated into port seal of		D2 SRD is labeled, inspected and placed in foil pouch	
C3 Donor lead is sealed at the end and bonded inside port		D3 Foil pouches (D2) are placed in cartons and subjected to gamma irradiation	

FIG. 38B

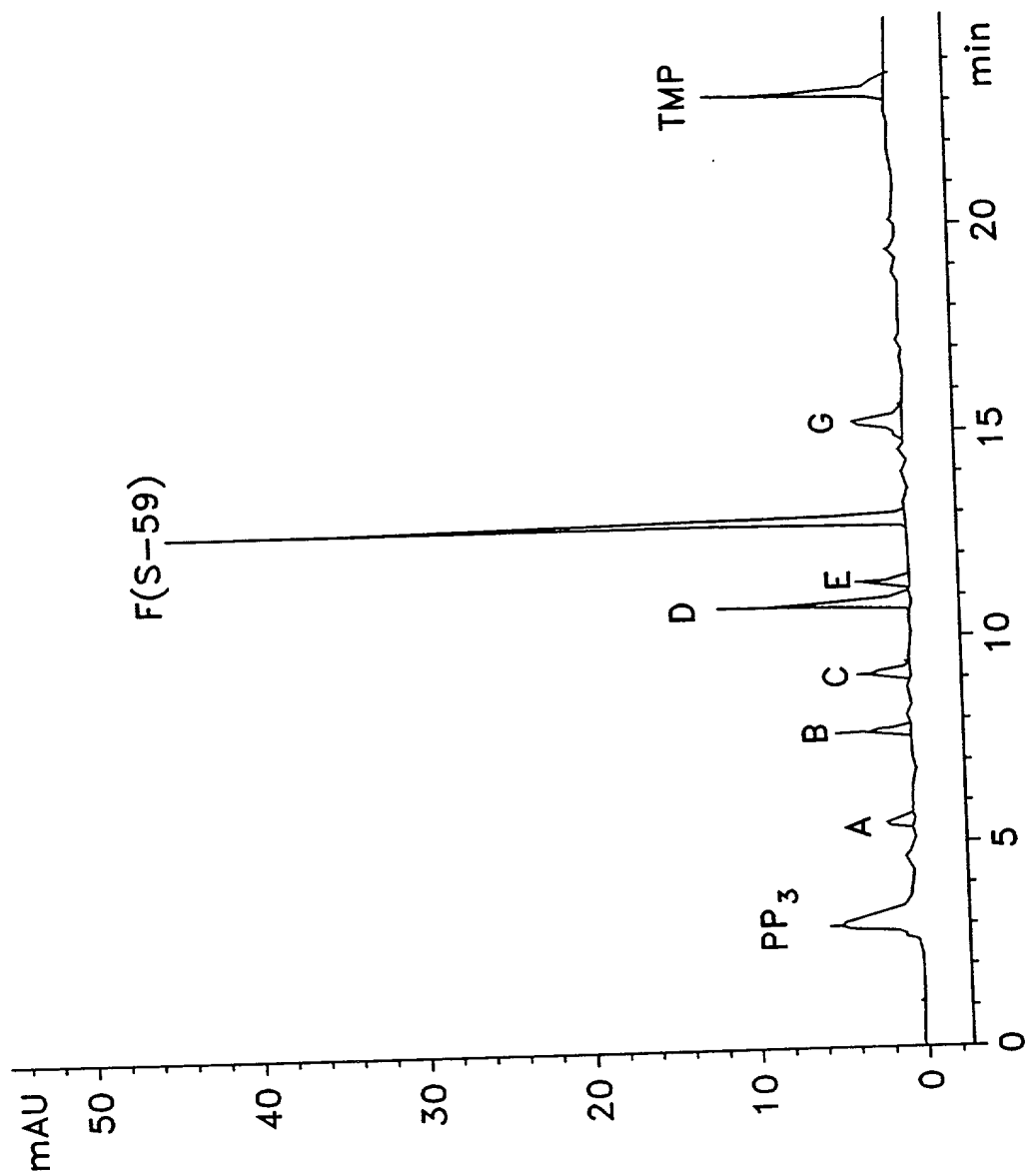


FIG. 39

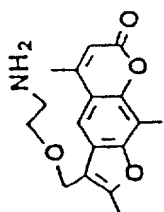
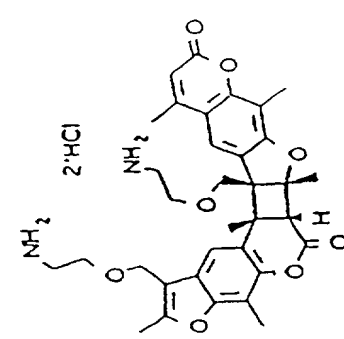
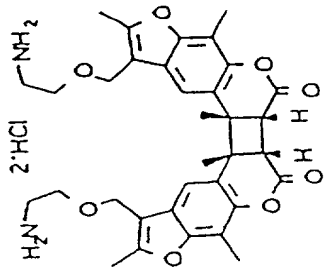
HPLC Peak F (S-59)	
 S-59	
Photoproduct D: Heterodimer of S-59	Photoproduct E: Homodimer of S-59
	

Figure 40

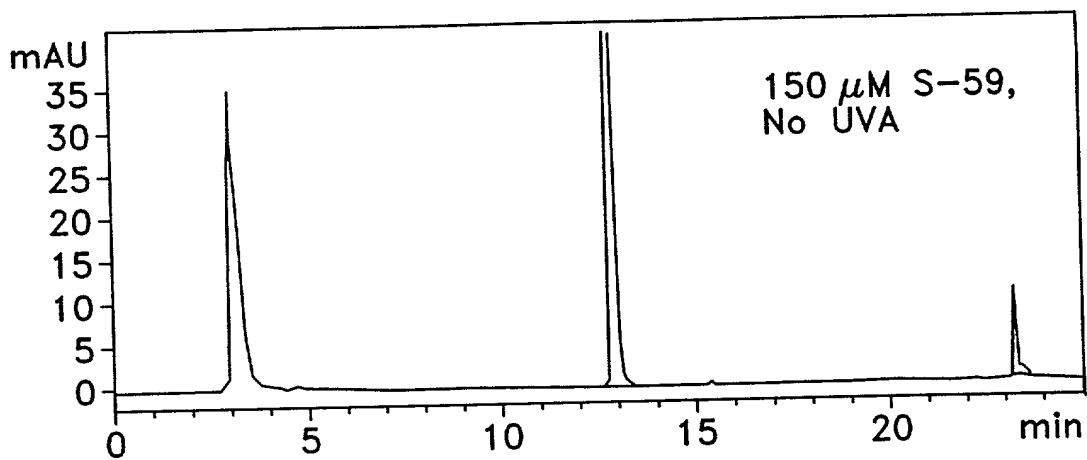


FIG. 41A

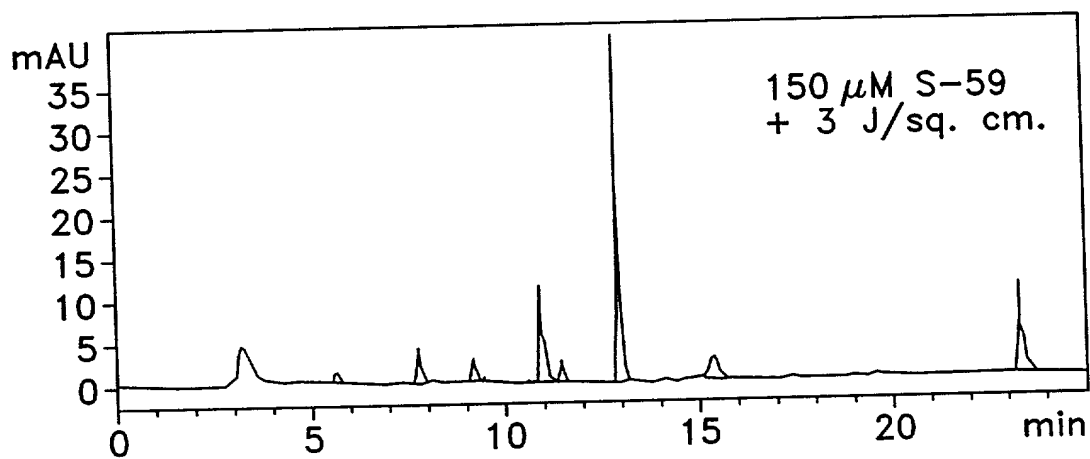


FIG. 41B

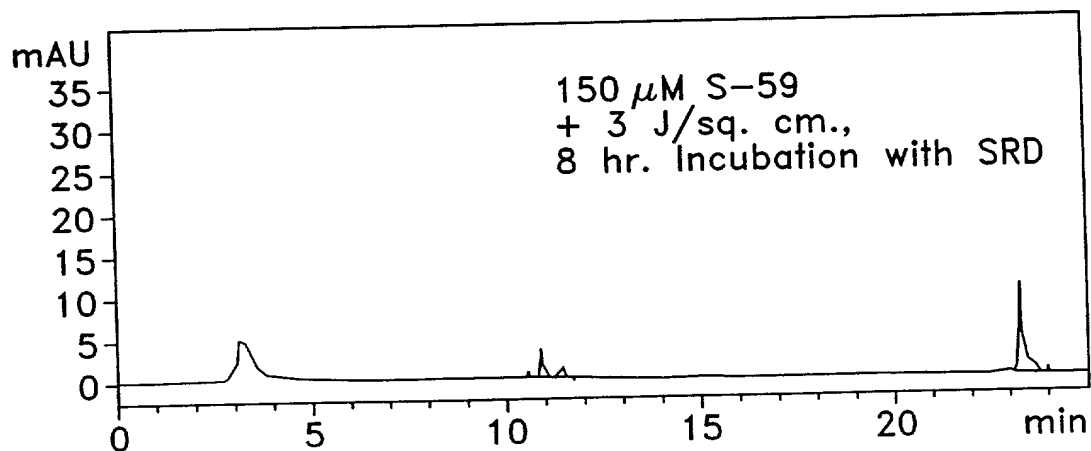


FIG. 41C

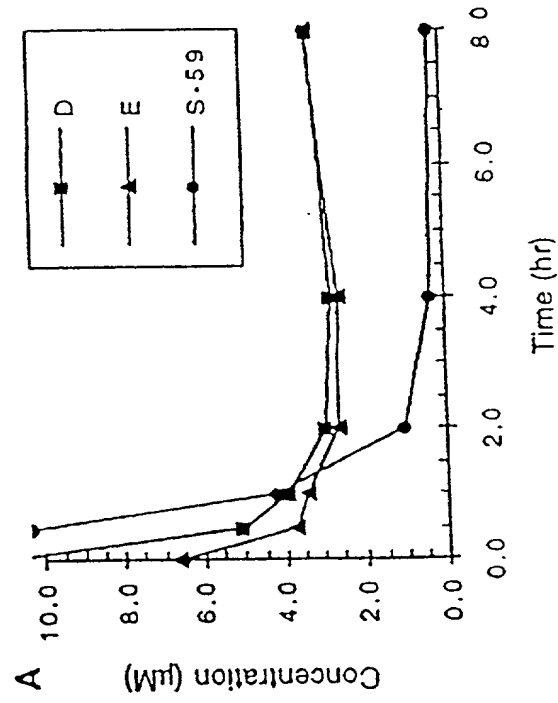


Figure 42

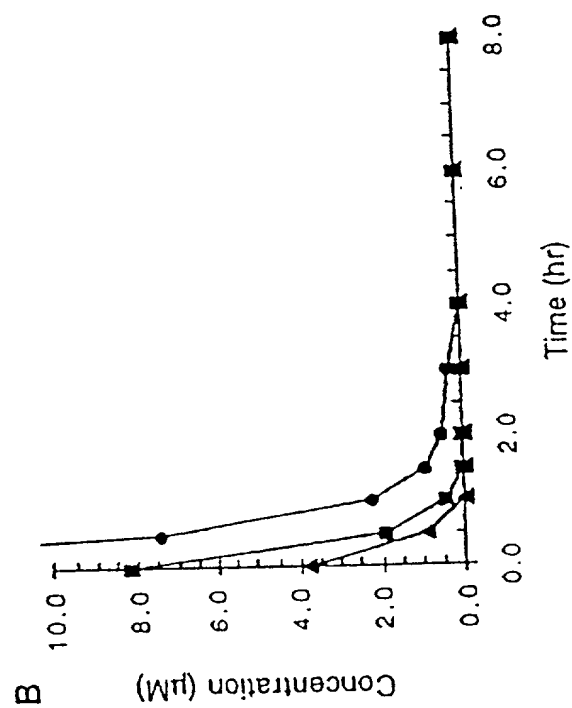


Figure 43

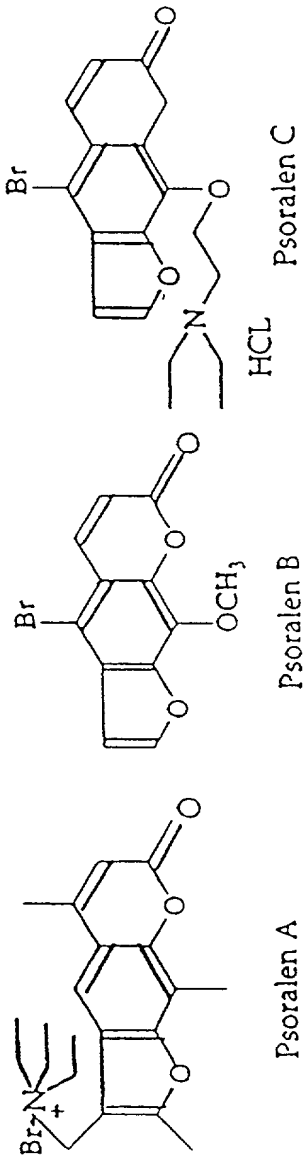


Figure 44

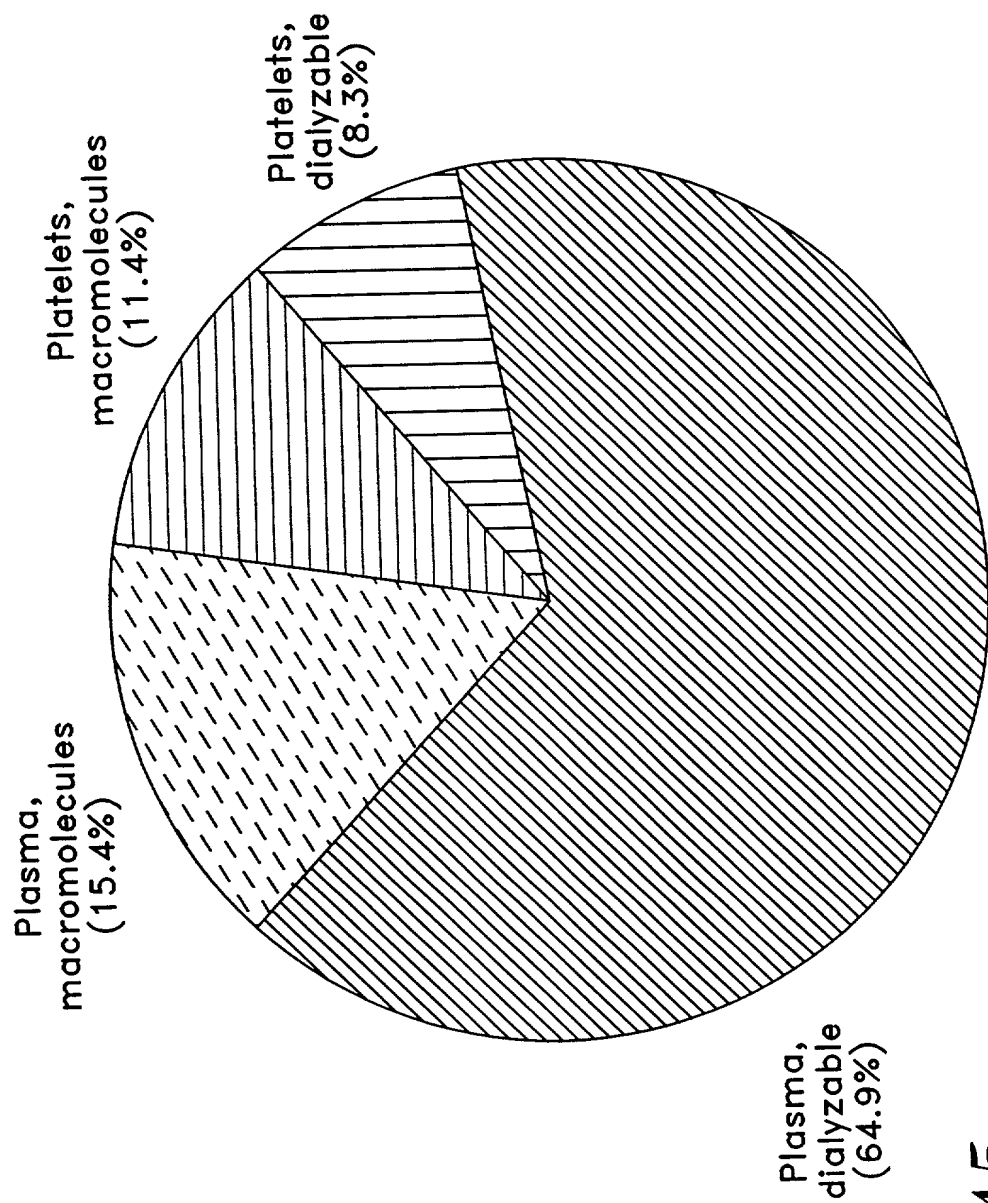
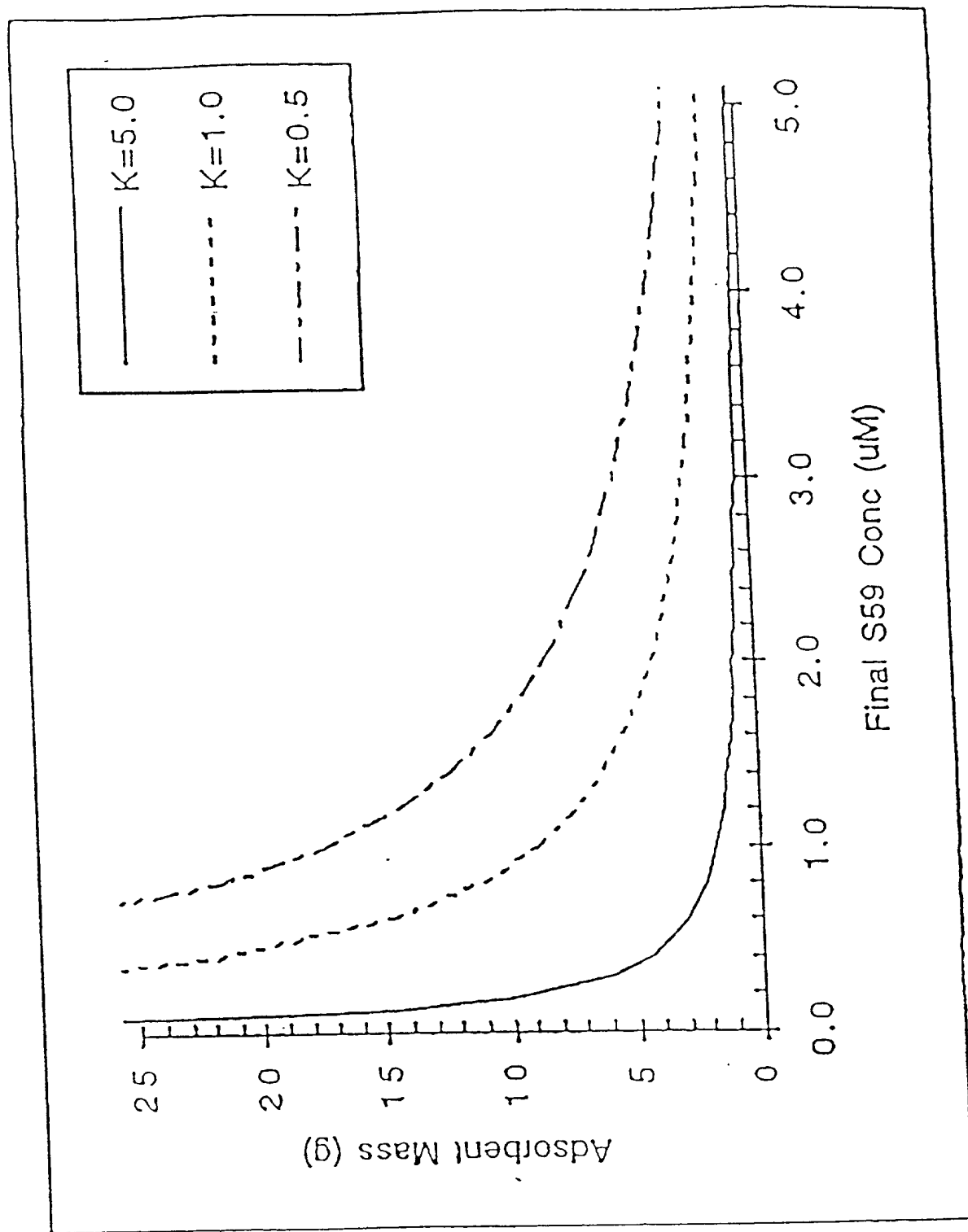


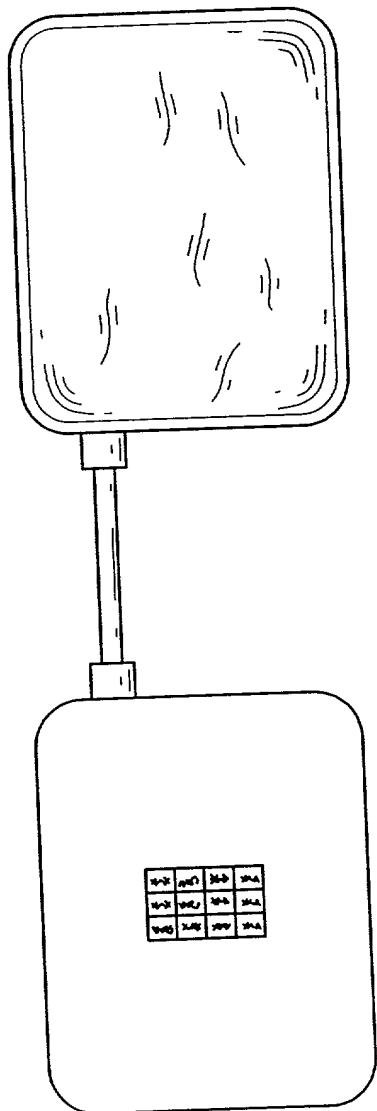
FIG. 45



FIGURE 46



Configuration A



Configuration B

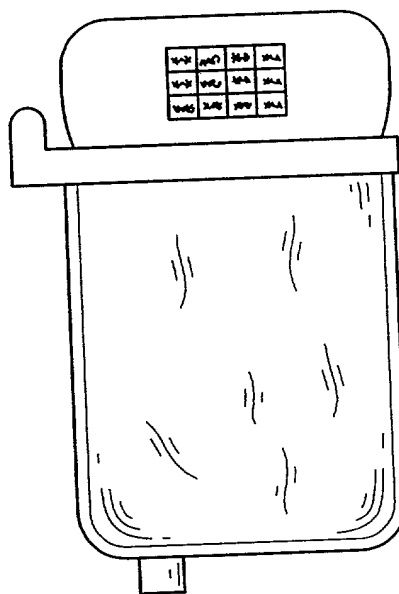


FIG. 47

TOP SECRET

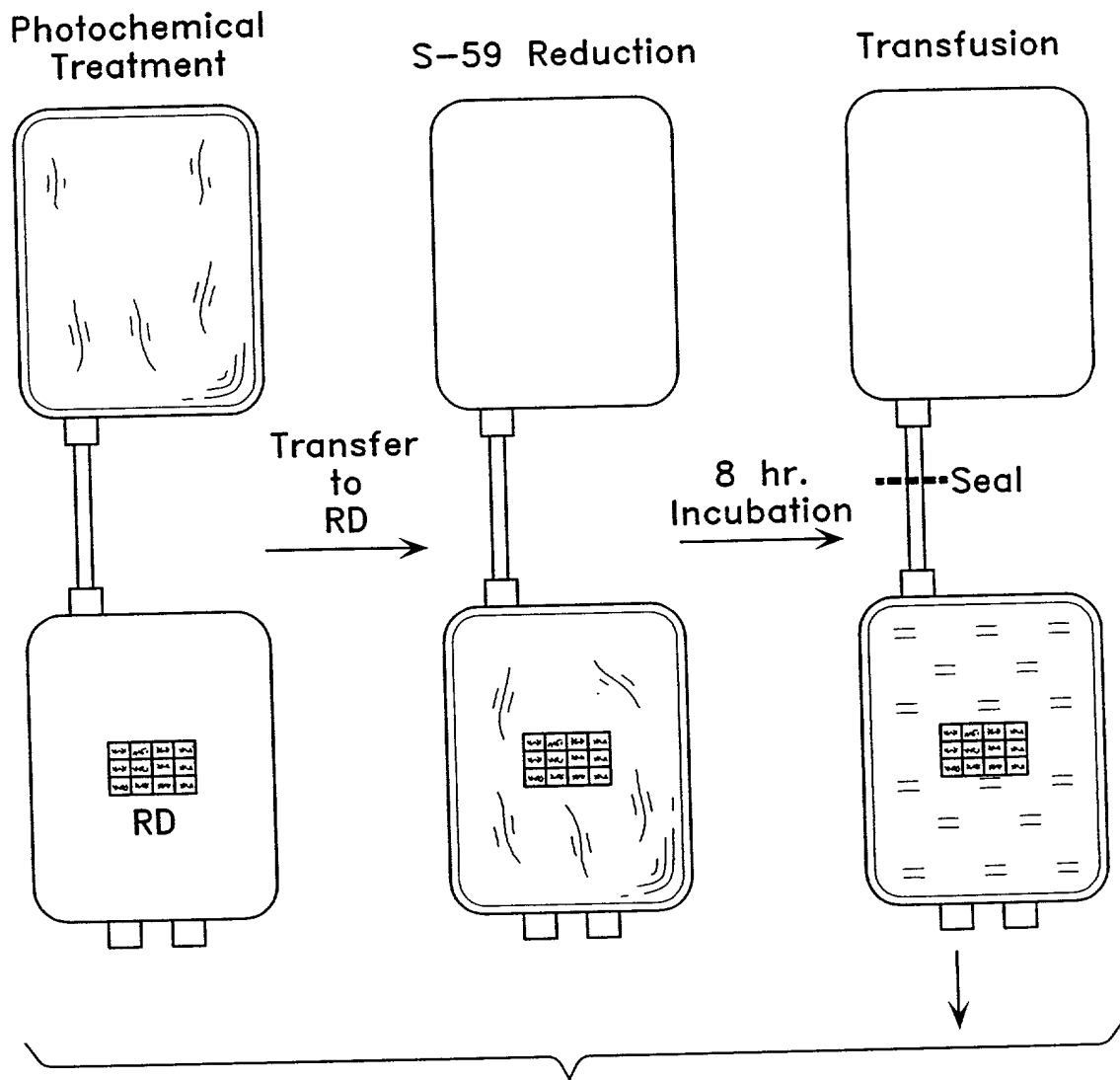


FIG. 48

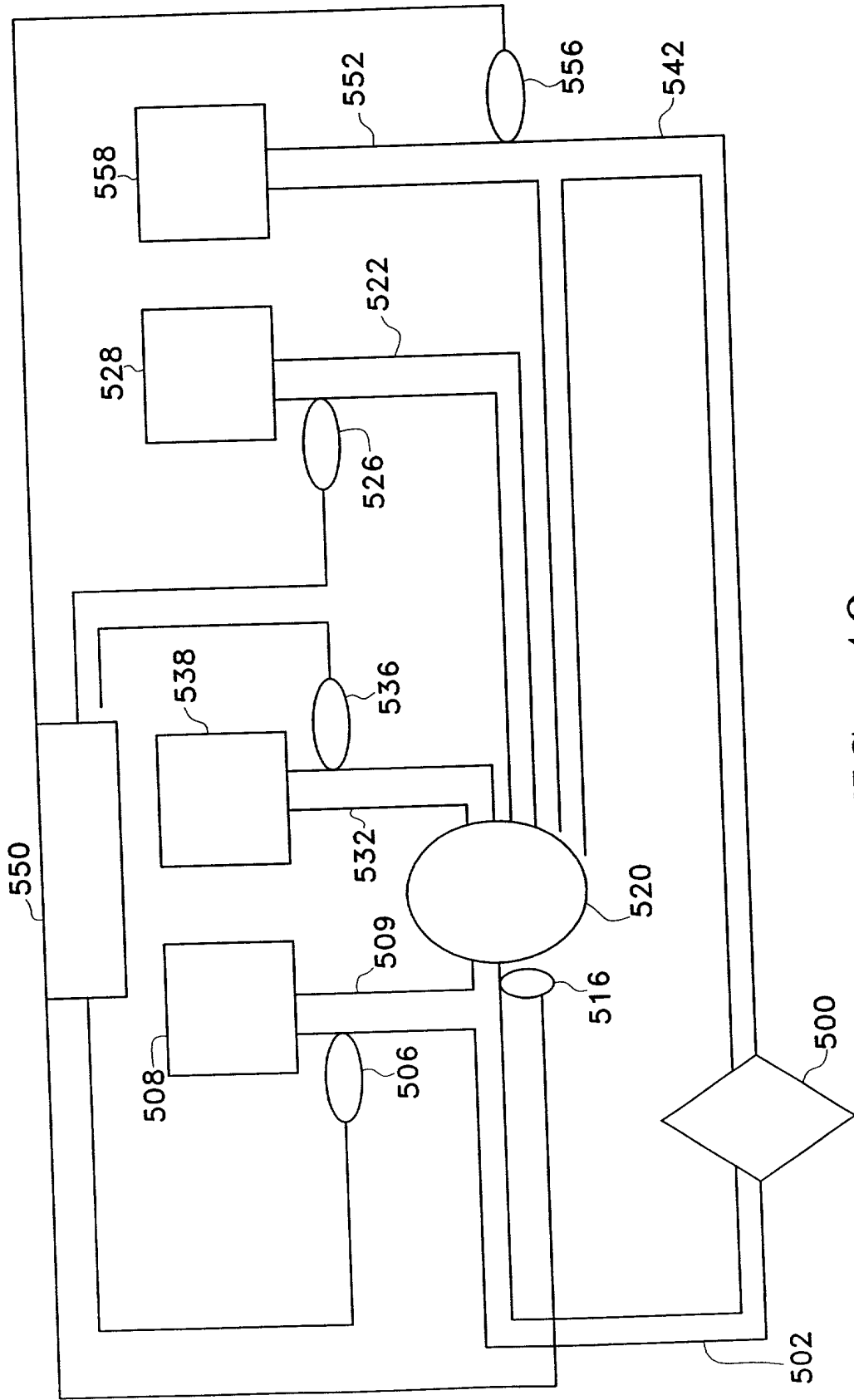


FIG. 49



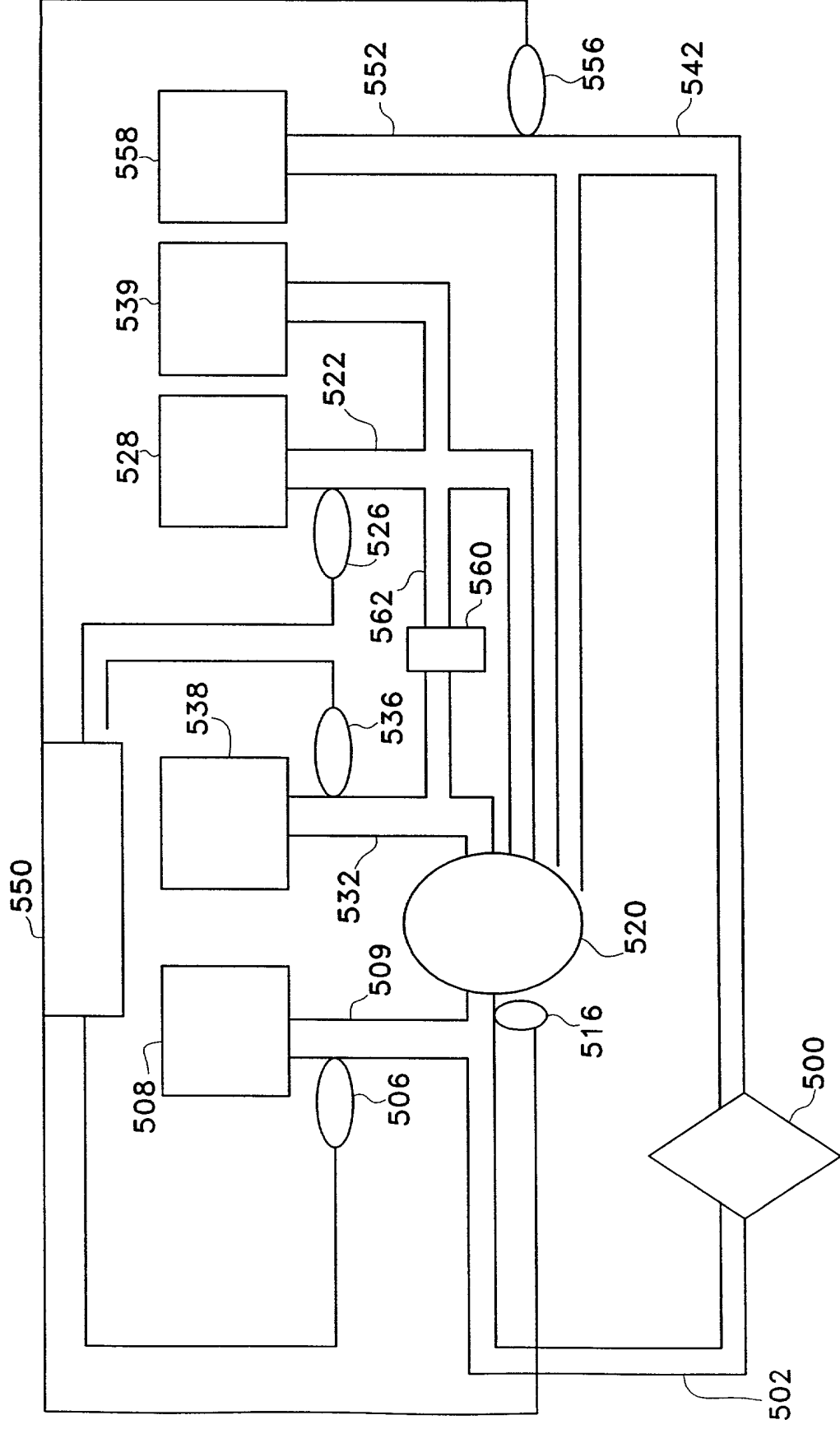


FIG. 51